

ATTACHMENT B

NATIONAL PARK SERVICE UNIFORM COMPONENT SPECIFICATIONS

N202 Balaclava, Green Wool, Lined

Sample Size: One size only.

GENERAL DESCRIPTION

The knitted balaclava shall be Wigwam Poly Balaclava style cap or equal

TYPE ITEMS: * Male and Female

CLASSIFICATION

* All Balaclavas

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The circular knit outer material shall be 100% worsted wool with a medium width rib knit in a dark green color. A sample of the color shall be submitted to the NPS COTR for review and approval prior to proceeding with the full production run. The outershell knit shall be heavily brushed.
- * **Lining:** The circular knit lining fabric shall be 100% acrylic in a fine rib knit with a light grey color.
- * **Label:** See general reference and requirements sheet.

General Instructions

- * **Stitching:** The balaclava shall be formed by inserting the liner inside the outer shell in tubular sections. The upper edges of the tubes shall be cut into quarters to form the crown. The four dart type edges on each side shall be jointed with the stitch line continued across to the opposite four dart edges and repeated again for closing the other two darts. The crown shall be sewn with stitch type 504. A semi-circular slit shall be cut through the tubes with the bottom center of the cut 7" below the top of the crown. A second piece of outershell material shall be surged to the top cut edges of the outershell and lining. The seam shall be turned under to the inside with the raw edge surged and stitched to the body of the cap. The bottom edges of the face cut shall be serged together up to the visor. The bottom edge of the outershell shall be turned up to 2 ¼" and knitted to the interlining.

Dimensions: In a relaxed fully extended state, the balaclava shall be approximately 16 ½" long with a 9" half width at the bottom.

ATTACHMENT B

N204 Band, Hat, Embossed

Sample Size: All dimensions based on size 6 5/8"

GENERAL DESCRIPTION:

Embossed laced leather hat band. Band shall be laced to fit hat size properly prior to shipment.

TYPE ITEMS: * Male and Female

CLASSIFICATION

* All Hats

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** Material shall be top grain, vegetable-tanned, grade A, 1 1/8" wide 9 oz. Cowhide side leather.
- * **Pattern:** Die will be Government-Furnished by the National Park Service.
- * **Hardware:** Two die-cast, gold-plated, hand-antiqued 3/4" cones. Two 1/2" diameter rings.
- * **Thong:** Top grain, vegetable-tanned, grade A, 1/4" wide by 24" long thong of 9 oz. cowhide side leather.
- * **Dye:** Oil base, marine cordovan dye and shall match existing belt currently used by NPS.
- * **Finish:** Resolene waterproofing pigmented acrylic with top-coat of nitrocellulose.
- * **Processes:** Hat band shall be edged with a #3 edger or equal to give rounded effect on lineal edges.
- * **Label:** See general reference and requirements sheet.

Sizes and Measurements

Sizes: Available in 11 sizes: 6 5/8"- 7 7/8" in 1/8" increments

ATTACHMENT B

N209 Belt, 9 Oz. Embossed

Specifications are identical for the following other components:

N210 Belt, Heavy Duty

N245 Buckle

Sample Size: All dimensions are based on size 36.

GENERAL DESCRIPTION

Belt and Buckle.

TYPE ITEMS: *-Male and *Female Type I—Male Type II—Female

CLASSIFICATION NPS# (M/F)

*	All Belts	*
A	Embossed Belt	N209
B	Embossed Heavy Duty	N210
C	Buckle	N245

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A **Basic Materials:** Material shall be top grain, vegetable-tanned, grade A, 1-1/2 inch wide, 9-ounce cowhide side leather.
- *-B **Basic Materials:** Material backed by 3 to 4-ounce top grain, vegetabletanned, grade A cowhide side leather and sewn to front piece around edges.
- * **Pattern:** Die shall be furnished by National Park Service.
- * **Hardware:** Two snaps, Rau manufacturer, No. 8020-F9, 8029-F10, 8031-F10, 8042-F10, or equal. Solid brass, polished gilt finish, 1-1/2" Waterbury buckle or equal.
- * **Dye:** Oil base, marine cordovan dye shall match existing belt currently used by NPS.
- * **Finish:** Resolene waterproofing with pigmented acrylic with topcoat of nitrocellulose.
- * **Label:** See general reference and requirement sheet.

Detail Design Characteristics

- * **Processes :** Belt to be edged with a #3 edger or equal to give rounded effect on lineal edges.

Sizes and Measurements

- * **Sizes:** Available in even sizes only 24-60.

Note: Buckle shall also be available for sale separately. See Clin Number 245.

ATTACHMENT B

N210 Belt, Heavy Duty

Specifications are identical for the following other components:

N209 Belt, 9 Oz. Embossed

N245 Buckle

Sample Size: All dimensions are based on size 36.

GENERAL DESCRIPTION

Belt and Buckle.

TYPE ITEMS: *-Male and *Female Type I—Male Type II—Female

CLASSIFICATION NPS# (M/F)

*	All Belts	*
A	Embossed Belt	N209
B	Embossed Heavy Duty	N210
C	Buckle	N245

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A **Basic Materials:** Material shall be top grain, vegetable-tanned, grade A, 1-1/2 inch wide, 9-ounce cowhide side leather.
- *-B **Basic Materials:** Material backed by 3 to 4-ounce top grain, vegetabletanned, grade A cowhide side leather and sewn to front piece around edges.
- * **Pattern:** Die shall be furnished by National Park Service.
- * **Hardware:** Two snaps, Rau manufacturer, No. 8020-F9, 8029-F10, 8031-F10, 8042-F10, or equal. Solid brass, polished gilt finish, 1-1/2" Waterbury buckle or equal.
- * **Dye:** Oil base, marine cordovan dye shall match existing belt currently used by NPS.
- * **Finish:** Resolene waterproofing with pigmented acrylic with topcoat of nitrocellulose.
- * **Label:** See general reference and requirement sheet.

Detail Design Characteristics

- * **Processes:** Belt to be edged with a #3 edger or equal to give rounded effect on lineal edges.

Sizes and Measurements

- * **Sizes:** Available in even sizes only 24-60.

Note: Buckle shall also be available for sale separately. See Clin Number 245.

ATTACHMENT B

N225 Boots, Male, 5" Backcountry Hiking

Specifications are identical for the following other components:

F221 Boots, Male, 5" Backcountry Hiking

F235 Boots, Female, 5" Backcountry Hiking

N238 Boots, Female, 5" Backcountry Hiking

Sample Size: 9 ½ M (F221, N225) or 7 ½ M (F235, N238)

GENERAL DESCRIPTION

Vasque Sundowner model 7935 (F221, N225) or 7936 (F235, N238), five-inch boot, with burgundy full-grain leather, waterproof lugged sole and Gore-Tex bootie liner or equal.

TYPE ITEMS *--All Boots I—Male. II—Female

CLASSIFICATION	FWS # (M/F)	NPS # (M/F)
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* All Boots	F221/F235	N225/N238
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SALIENT CHARACTERISTICS

Components

Type-Class

- * **Upper:** The upper shall be burgundy 2.4 mm waterproof Crochetta leather.
- * **Lining:** The lining shall be Sportee 3-bar-knit, 1/16 inch, open-cell foam padding.Gore-Tex waterproof filament, nylon mesh backing.
- * **Foundation Insole:** The foundation insole shall be Unidirectional, molded polyethylene, graded by size.
- * **Foot Support Insole:** The foot support insole shall be removable contoured crossweave felt covered polyethylene molded footbed with cushioned heel cup and arch support.
- * **Shank:** The shank shall be ¾-inch double-ribbed tempered steel.
- * **Thread:** The thread shall be non-wicking nylon at 24 pound tensile strength.
- * **Counter:** The counter shall be firm waterproof Celastic molded to the boot while on the last.
- * **Box Toe:** The counter shall be firm waterproof Celastic molded to the boot while on the last.
- * **Lace:** The lace shall be 50-inch (F221, N225) or 46-inch (F235, N238) dark brown nylon with sealed ends.
- * **Collar:** The collar shall be rolled leather inside supported by boot upper.
- * **Hardware:** The hardware shall be nickel plated steel star clinch on washer behind lining. D-ring with pull test of 135 pounds. Hook with pull test of 200 pounds.

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- * **Sole and Heel:** The sole and heel black, non-marking Skywalk lug sole with toe bumper. Derometer 75A hardness. 4/16 inch lug with Fishhook lug at toe and heel.
- * **Midsole:** The midsole shall be shock absorbing Resilion rubber molded with hard rubber outsole for a single unit.
- * **Construction:** The construction shall be Polymeric bond cement construction, net-fit with drop-in bottom. Pull test 145 pounds, heat tested to 170 degrees for separation.

Sizes and Measurements

Finished Dimensions

- | | |
|-------------|--|
| I-* | Sizes: Narrow: 9-12, 13, 14
Medium: 6-12, 13, 14
Wide: 7-12, 13, 14 |
| II-* | Sizes: Narrow: 7-10 ½
Medium: 5-11
Wide: 7-10 ½ |

ATTACHMENT B

N228 Boots, Male, 13" Wellington

Specifications are identical for the following other components:

N241 Boots, Female, 13" Wellington

Sample Size: 9EE (N228) or 7 ½ B (N241)

GENERAL DESCRIPTION

The boot shall be Justin Boot model #B1061 (N228) or #B1086 (N241) 13" boot or equal.

TYPE ITEMS: *--All Boots Type I—Male Type II—Female

CLASSIFICATION

* All Boots

SALIENT CHARACTERISTICS

Components

Type – Class

- * **Basic Material:** The boot shall have Cordovan Melo-Veal vamp leather with dark cordovan Kiddie top leather, complete leather lining.
- * **Insole:** The insole shall be Texon.
- * **Outsole:** The outsole shall be the Justin sole unit with medium depth (32) scallop, B (shoe) heel, steel shank, 2116 (N228) or 2117 (N241) (two row) stitch pattern, J11 Wellington toe and black outsole stitching.

Sizes and Measurements

Finished Dimensions

- | | | |
|-------------|---------------|--|
| I-* | Sizes: | B: 9 ½, 10 ½, 11
C: 8, 9-12 in half sizes, 13
D: 7-12 in half sizes, 13
E: 7 ½-12 in half sizes
EE: 7-12 in half sizes
EEE: 10-11 in half sizes |
| II-* | Sizes: | AA: 5-7, 8-9, 10 in half sizes
A: 5-10 in half sizes
B: 5-10 in half sizes
C: 5-10 in half sizes |

ATTACHMENT B

N231 Boots, Male, 8" Work

Specifications are identical for the following other components:

F219 Boots, Male, 8" Work
F220 Boots, Male, 8" Work W Steel Toe
F233 Boots, Female, 8" Work
N243 Boots, Female, 8" Work
F234 Boots, Female, 8" Work W Steel Toe

Sample Size: 9 ½ W (F219, N231) or 7 M (F220) or 8 M (F233, N243) or 9 W (F234)

GENERAL DESCRIPTION

Texas Boot style 8694 (F219, N231) or 8695 (F220<806) or 4694 (F233, N243) or 4695 (F234) or equivalent.

TYPE ITEMS	*--All Boots	I—Male	II—Female
CLASSIFICATION		FWS # (M/F)	NPS # (M/F)
* - All Boots		*	*
A – Regular		F219/ F233	N231/ N243
B – Steel Toe		F220/ F234	

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Upper:** The leather shall be full grain naturally oiled leather – Dark brown or Midnight Brown. Collar is padded foam wrapped leather smooth cowhide.
- * **Welt:** The welt shall be Goodyear construction.
- * **Lining and Insole:** Cambrelle cushioned lining to wick moisture and Poron insole wrapped in Cambrelle to absorb shock from impact while wicking moisture.
- * **Outsole:** The outsole shall be Vibram Hiking Hi Tech, 134AR sole.
- *-B **Steel Toe (F220, F234):** The steel toe shall be ANSI 75 rated.

Sizes and Measurements

Finished Dimensions

- I-*** **Sizes:** Medium: 7-12 in half sizes, 13, 14
Wide: 7½-12, in half sizes, 13
- II-*** **Sizes:** Medium: 5-10 in half sizes, 11, 12
Wide: 6-10 in half sizes, 11

ATTACHMENT B

N238 Boots, Female, 5" Backcountry Hiking

Specifications are identical for the following other components:

F221 Boots, Male, 5" Backcountry Hiking

N225 Boots, Male, 5" Backcountry Hiking

F235 Boots, Female, 5" Backcountry Hiking

Sample Size: 9 ½ M (F221, N225) or 7 ½ M (F235, N238)

GENERAL DESCRIPTION

Vasque Sundowner model 7935 (F221, N225) or 7936 (F235, N238), five-inch boot, with burgundy full-grain leather, waterproof lugged sole and Gore-Tex bootie liner or equal.

TYPE ITEMS *--All Boots I—Male. II—Female

CLASSIFICATION	FWS # (M/F)	NPS # (M/F)
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* All Boots	F221/F235	N225/N238
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SALIENT CHARACTERISTICS

Components

Type-Class

- * **Upper:** The upper shall be burgundy 2.4 mm waterproof Crochetta leather.
- * **Lining:** The lining shall be Sportee 3-bar-knit, 1/16 inch, open-cell foam padding.Gore-Tex waterproof filament, nylon mesh backing.
- * **Foundation Insole:** The foundation insole shall be Unidirectional, molded polyethylene, graded by size.
- * **Foot Support Insole:** The foot support insole shall be removable contoured crossweave felt covered polyethylene molded footbed with cushioned heel cup and arch support.
- * **Shank:** The shank shall be ¾-inch double-ribbed tempered steel.
- * **Thread:** The thread shall be non-wicking nylon at 24 pound tensile strength.
- * **Counter:** The counter shall be firm waterproof Celastic molded to the boot while on the last.
- * **Box Toe:** The counter shall be firm waterproof Celastic molded to the boot while on the last.
- * **Lace:** The lace shall be 50-inch (F221, N225) or 46-inch (F235, N238) dark brown nylon with sealed ends.
- * **Collar:** The collar shall be rolled leather inside supported by boot upper.
- * **Hardware:** The hardware shall be nickel plated steel star clinch on washer behind lining. D-ring with pull test of 135 pounds. Hook with pull test of 200 pounds.
- * **Sole and Heel:** The sole and heel black, non-marking Skywalk lug sole with toe bumper. Derometer 75A hardness. 4/16 inch lug with Fishhook lug at toe and heel.

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- * **Midsole:** The midsole shall be shock absorbing Resilion rubber molded with hard rubber outsole for a single unit.
- * **Construction:** The construction shall be Polymeric bond cement construction, net-fit with drop-in bottom. Pull test 145 pounds, heat tested to 170 degrees for separation.

Sizes and Measurements

Finished Dimensions

- I-*** **Sizes:** Narrow: 9-12, 13, 14
Medium: 6-12, 13, 14
Wide: 7-12, 13, 14
- II-*** **Sizes:** Narrow: 7-10 ½
Medium: 5-11
Wide: 7-10 ½

ATTACHMENT B

N241 Boots, Female, 13" Wellington

Specifications are identical for the following other component:

N228 Boots, Male, 13" Wellington

Sample Size: 9EE (N228) or 7 ½ B (N241)

GENERAL DESCRIPTION

The boot shall be Justin Boot model #B1061 (N228) or #B1086 (N241) 13" boot or equal.

TYPE ITEMS: *--All Boots Type I—Male Type II—Female

CLASSIFICATION

* All Boots

SALIENT CHARACTERISTICS

Components

Type – Class

- * **Basic Material:** The boot shall have Cordovan Melo-Veal vamp leather with dark cordovan Kiddie top leather, complete leather lining.
- * **Insole:** The insole shall be Texon.
- * **Outsole:** The outsole shall be the Justin sole unit with medium depth (32) scallop, B (shoe) heel, steel shank, 2116 (N228) or 2117 (N241) (two row) stitch pattern, J11 Wellington toe and black outsole stitching.

Sizes and Measurements

Finished Dimensions

- I-*** **Sizes:** B: 9 ½, 10 ½, 11
 C: 8, 9-12 in half sizes, 13
 D: 7-12 in half sizes, 13
 E: 7 ½-12 in half sizes
 EE: 7-12 in half sizes
 EEE: 10-11 in half sizes
- II-*** **Sizes:** AA: 5-7, 8-9, 10 in half sizes
 A: 5-10 in half sizes
 B: 5-10 in half sizes
 C: 5-10 in half sizes

ATTACHMENT B

N243 Boots, Female, 8" Work

Specifications are identical for the following other components:

F219 Boots, Male, 8" Work
N231 Boots, Male, 8" Work
F220 Boots, Male, 8" Work W Steel Toe
F233 Boots, Female, 8" Work
F234 Boots, Female, 8" Work W Steel Toe

Sample Size: 9 ½ W (F219, N231) or 7 M (F220) or 8 M (F233, N243) or 9 W (F234)

GENERAL DESCRIPTION

Texas Boot style 8694 (F219, N231) or 8695 (F220) or 4694 (F233, N243) or 4695 (F234) or equivalent.

TYPE ITEMS	*--All Boots	I—Male	II—Female
CLASSIFICATION		FWS # (M/F)	NPS # (M/F)
* - All Boots		*	*
A – Regular		F219/ F233	N231/ N243
B – Steel Toe		F220/ F234	

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Upper:** The leather shall be full grain naturally oiled leather – Dark Brown or Midnight Brown. Collar is padded foam wrapped leather smooth cowhide.
- * **Welt:** The welt shall be Goodyear construction.
- * **Lining and Insole:** Cambrelle cushioned lining to wick moisture and Poron insole wrapped in Cambrelle to absorb shock from impact while wicking moisture.
- * **Outsole:** The outsole shall be Vibram Hiking Hi Tech, 134AR sole.
- *-B **Steel Toe (F220, F234):** The steel toe shall be ANSI 75 rated.

ATTACHMENT B

Sizes and Measurements

Finished Dimensions

I-*	Sizes: Medium: 7-12 in half sizes, 13, 14 Wide: 7½-12, in half sizes, 13
II-*	Sizes: Medium: 5-10 in half sizes, 11, 12 Wide: 6-10 in half sizes, 11

ATTACHMENT B

N245 Buckle

Specifications are identical for the following other components:

N209 Belt, 9 Oz. Embossed

N210 Belt, Heavy Duty

Sample Size: All dimensions are based on size 36.

GENERAL DESCRIPTION

Belt and Buckle.

TYPE ITEMS: *-Male and Female

CLASSIFICATION NPS# (M/F)

*	All Belts	*
A	Embossed Belt	N209
B	Embossed Heavy Duty	N210
C	Buckle	N245

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A **Basic Materials:** Material shall be top grain, vegetable-tanned, grade A, 1-1/2 inch wide, 9-ounce cowhide side leather.
- *-B **Basic Materials:** Material backed by 3 to 4-ounce top grain, vegetabletanned, grade A cowhide side leather and sewn to front piece around edges.
- * **Pattern:** Die shall be furnished by National Park Service.
- * **Hardware:** Two snaps, Rau manufacturer, No. 8020-F9, 8029-F10, 8031-F10, 8042-F10, or equal. Solid brass, polished gilt finish, 1-1/2" Waterbury buckle or equal.
- * **Dye:** Oil base, marine cordovan dye shall match existing belt currently used by NPS.
- * **Finish:** Resolene waterproofing with pigmented acrylic with topcoat of nitrocellulose.
- * **Label:** See general reference and requirement sheet.

Detail Design Characteristics

- * **Processes:** Belt to be edged with a #3 edger or equal to give rounded effect on lineal edges.

Sizes and Measurements

- * **Sizes:** Available in even sizes only 24-60.

ATTACHMENT B

N259 Hat, Tan Felt, Winter

Specifications are identical for the following other components:

C298 Hat, Tan Felt, Winter

C300 Hat, Straw, Summer

N301 Hat, Straw, Summer

Sample Size: All dimensions are based on C298, 300 - 7 1/8 LO; N259, N301 -7 1/2 R

GENERAL DESCRIPTION

Montana Peak, four-dent, traditional National Park Service style. Straw hats are Stratton #44 DB, 5 to 5 1/2 M.M. Felt hat is Stratton #44 winter dress hat.

TYPE ITEMS: *--All Hats Type I—Male Type II—Female

CLASSIFICATION NPS # (M/F) COE # (M/F)

*	All Hats	*	*
A	Straw Hats	N301	C300
B	Felt Hats	N259	C298

SALIENT CHARACTERISTICS

Components

- *-A **Basic Material:** The material shall be bedford hemp braid, tight weave and vented Milar braid Belugum belly tan..
- *-B **Basic Material:** The material shall be nutria quality Belgium Belly Tan Felt. Felt dye shall show a minimum of discoloration in 100 hours Fade-O-Meter Test.
- * **Crown:** Crown shall be Montana Peak with 3 or 4 crown vents on each side, pyramid configuration.
- *-B **Side:** One brim eyelet on each side for chin strap. Three side vent holes.
- *-A **Brim:** Double brim and brim width shall be 3 1/8" wide standard.
- *-B **Brim:** Brim width shall be 3 1/8" wide standard.
- * **Sweatband:** Sweat band shall be leather, sweat/oil silk shield. Plastic film behind sweatband.
- * **Chinstrap:** One brim eyelet on each side for chin strap.
- * **Label:** See general references and requirements sheet.

General Instructions

Sizes and Measurements

- * **Sizes:** Regular Oval: 6 3/8 - 7 7/8, in 1/8" increments
 Long Oval: 6 1/2 - 7 7/8, in 1/8" increments
 Extra Long Oval: 6 1/2 - 7 7/8, in 1/8" increments

ATTACHMENT B

N261 Cap, Green Gore-Tex and Fur, Trooper Style

Specifications are identical for the following other component:

C260 Cap, Green Gore-Tex and Fur, Trooper Style

Sample Size: Large

GENERAL DESCRIPTION

"Trooper Style" Borg Pile fur trimmed hat.

CLASSIFICATION

*	All Caps	*
	COE Cap	C260
	NPS Cap	N261

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The material shall be Forest Green two-ply Taslan nylon Gore-Tex fabric.
- * **Strap:** Made of same material as crown, 5/8" wide, metal snap slide and metal clip at end of strap.
- * **Fur:** Dark brown, first quality mouton fur.
- * **Lining:** Black zig-zag quilted pattern sateen acetate or equal with insulating layer.
- * **Sweatband:** Same material as lining with an inner stiffening of quality crinoline or equal sewn to the cap.
- * **Construction:** The crown shall be constructed of four pieces extending laterally from front to back, each of the center two pieces to be approximately 3" wide, finished at the crown, tapering to approximately 2 1/2" inches at the back. Each of the side pieces shall be approximately 3 1/2" at the maximum height when assembled. The same type of material shall be used as backing for the ear and neck flaps, as well as the front visor. The ear and neck flaps shall be of single piece construction. Note: Dimensions may vary within normal commercial tolerances in proportion to the size of the cap.
- * **Visor:** The visor (peak) shall be approximately 7" wide at the base of the crown, the visor to be cut on a radius so that an approximate height of 3" is achieved after being assembled to the crown, folded and fastened. A heavy duty snap fastener shall be provided to secure the visor to the crown of the cap so that the visor can be worn in an elevated position.
- * **Labels:** See references and requirements section. Each cap shall have a proper cloth size label.
- * **Sizes:** Small (6 3/4- 6 7/8), Medium (7 - 7 1/8), Large (7 1/4 - 7 3/8), X-Large (7 1/2 - 7 5/8), XX-Large (7 3/4), and XXX-Large (8-8 1/8)

ATTACHMENT B

N266 Cap, Ski, Dark Green Acrylic Knit

Specifications are identical for the following other components:

F264 Cap, Ski, Dark Brown Wool Knit
C265 Cap, Ski, Dark Green Acrylic Knit
C267 Cap, Ski, Dark Green Wool Knit
N268 Cap, Ski, Dark Green Wool Knit

Sample Size: One Size

GENERAL DESCRIPTION

The knitted caps shall be Wigwam No. 1016(wool) or 1017(acrylic) style cap or equal. Versions with non-allergic wool and wool with acrylic or other appropriate linings shall be submitted for approval by the Agency COTR.

CLASSIFICATION		FWS #		
*	All Caps	*		
A	FWS Wool Knit	F264		
		COE #	NPS #	
*	All Caps	*	*	
B	C/N Acrylic Knit	C265	N266	
C	C/N Wool Knit	C267	N268	

SALIENT CHARACTERISTICS

Components

- A **Basic Material:** The material shall be 100% worsted wool. The color shall be dark brown.
- B **Basic Material:** The material shall be 100% acrylic. The color shall be dark Forest Green.
- C **Basic Material:** The material shall be 100% worsted wool. The color shall be dark Forest Green.
- * **Knit:** The cap shall be constructed from a medium circular rib knit except for the crown which shall be a finer rib knit. The knitting shall be continuous between body and crown.
- * **Construction:** The stocking cap shall be knitted on a circular knit machine. The cap shall be formed by folding an appropriate length body of circular knit back on itself and cutting the crowns into four quarters. The four dart edges on each side shall be joined with the stitch line continued across to the opposite four dart edges and repeating again for closing the other two darts. The crown shall be sewn with stitch type 504.
- * **Dimensions:** In a relaxed state the cap shall measure approximately 12" high with a half width of approximately 8".
- * **Labels:** See references and requirements section. Identification, size, and care labels shall be attached to the cap or sewn into the crown seam.
- * **Sizes:** One size fits all.

ATTACHMENT B

N268 Cap, Ski, Dark Green Wool Knit

Specifications are identical for the following other components:

F264 Cap, Ski, Dark Brown Wool Knit

C265 Cap, Ski, Dark Green Acrylic Knit

N266 Cap, Ski, Dark Green Acrylic Knit

C267 Cap, Ski, Dark Green Wool Knit

Sample Size: One Size

GENERAL DESCRIPTION

The knitted caps shall be Wigwam No. 1016(wool) or 1017(acrylic) style cap or equal. Versions with non-allergic wool and wool with acrylic or other appropriate linings shall be submitted for approval by the Agency COTR.

CLASSIFICATION		FWS #	
*	All Caps	*	
A	FWS Wool Knit	F264	
		COE #	NPS #
*	All Caps	*	*
B	C/N Acrylic Knit	C265	N266
C	C/N Wool Knit	C267	N268

SALIENT CHARACTERISTICS

Components

- A **Basic Material:** The material shall be 100% worsted wool. The color shall be dark brown .
- B **Basic Material:** The material shall be 100% acrylic. The color shall be dark Forest Green.
- C **Basic Material:** The material shall be 100% worsted wool. The color shall be dark Forest Green.
- * **Knit:** The cap shall be constructed from a medium circular rib knit except for the crown which shall be a finer rib knit. The knitting shall be continuous between body and crown.
- * **Construction:** The stocking cap shall be knitted on a circular knit machine. The cap shall be formed by folding an appropriate length body of circular knit back on itself and cutting the crowns into four quarters. The four dart edges on each side shall be joined with the stitch line continued across to the opposite four dart edges and repeating again for closing the other two darts. The crown shall be sewn with stitch type 504.
- * **Dimensions:** In a relaxed state the cap shall measure approximately 12" high with a half width of approximately 8".
- * **Labels:** See references and requirements section. Identification, size, and care labels shall be attached to the cap or sewn into the crown seam.
- * **Sizes:** One size fits all.

ATTACHMENT B

N271 Coat, Male, Green 11 Oz. 55/45 P/W Tropical

Specifications are identical for the following other components:

N272 Coat, Male, Green 16 Oz. 55/45 P/W Elastique

N273 Coat, Female, Green 11 Oz. 55/45 P/W Tropical

N274 Coat, Female, Green 16 Oz. 55/45 P/W Elastique

Sample Size: All dimensions are based on Male size-42R, and Female size-14

GENERAL DESCRIPTION

The coat shall be semi-fitted style, single breasted with 4-button front and notch lapels. Single vent, bi-swing belted back. Coat construction shall be used throughout. Body and sleeves shall be fully lined. Pattern furnished by NPS.

TYPE ITEMS: *All Coats Type I—Male Type II—Female

CLASSIFICATION NPS # (M/F)

*	All Coats	*
A	Winter Elastique	N272/N274
B	Summer Tropical	N271/N273

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A **Basic Material:** The material shall be Raeford Heather Green 16 Oz. 55/45 Polyester/wool elastique.
- *-B **Basic Material:** The material shall be Raeford Heather Green 11 Oz. 55/45 Polyester/wool tropical.
- * **Linings:** The lining material for lining fronts, sleeves, inside pockets, outside pocket flaps, yoke and back vent shall be Rayon, 3.7 ounces per square yard. Color shall be black.
- * **Thread:** All sewing shall be done with Polyester core thread.
- * **Buttons:** Shall have 4 front NPS 36-ligne buttons with stay button and one 24-ligne button with rings on each pocket flap.
- * **Badge Holder:** Black enameled badge holder, Waterbury No. 9705, or equal.
- * **Labels:** See Reference and Requirements.

General Instructions

- * **Button Holes:** Front buttonholes shall be cut-after type. Pocket flaps shall have buttonhole with button fastened by "O" rings under flap.
- II-A,B Darts:** There shall be a dart on each front running from the shoulder seam to the bottom of the coat. It shall be formed by sewing two separate front panels together.

ATTACHMENT B

Detail Design Characteristics

- I-A,B** **Collar:** The collar shall be lined with high quality collar canvas. The under collar shall be made of all wool under collar cloth, which shall be blind stitched to the jacket. Collar height in back shall be 1 5/8" with 1/4" topstitching from edge.
- II-A,B** **Collar:** The collar shall be lined with high quality collar canvas. The under collar is to be made of all wool under collar cloth, which shall be blind stitched to the jacket. Collar height in back shall be 1 3/4" with 1/4" topstitching from edge.
- I-A,B** **Front:** Coat shall have a fused front and a separate fused chest piece. Only a high quality woven fusible canvas shall be acceptable. Fusing shall be done on a tray feed or belt driven fusing press to insure proper bonding. Coat construction using Hymo canvas and haircloth basted to the coat fronts may also be used. The inside facing with a minimum of 4" shall be made of the same goods as the outer fabric. The front buttonholes shall be cut-after type. There shall be a 2-piece back with a single vent measuring a minimum of 9". The shoulders are to have pads and sleeve heads. The arm holes, vents, and front edges shall be taped. The armholes are to have shields made of outer fabric. The top sleeve linings shall be machine stitched.
- II-A,B** **Front:** Coat shall have a fused front and a separate fused chest piece. Only a high quality woven fusible canvas shall be acceptable. Fusing shall be done on a tray feed or belt driven fusing press to insure proper bonding. Coat construction using Hymo canvas and haircloth basted to the coat fronts may also be used. The inside facing with a minimum of 3 1/2" shall be made of the same goods as the outer fabric. The front buttonholes shall be cut-after type. There shall be a 2-piece back with a single vent measuring a minimum of 8". The shoulders shall have pads and sleeve heads. The arm holes, vents, and front edges shall be taped. The armholes shall have shields made of outer fabric. The top sleeve linings shall be machine stitched.
- *** **Lapels:** Notched lapel shall measure 1-1/2" with edge stitching 1/4" on front.
- I-A,B** **Linings:** To be fully lined. Bottom of the lining shall be no more than 1" from the bottom of the coat and be turned up 1/2". Sleeve lining shall be the same as the body lining and be no more than 2" from the bottom of the sleeve.
- II-A,B** **Linings:** To be fully lined. Bottom of the lining shall be no more than 1" from the bottom of the coat and be turned up 1/2". Sleeve lining shall be the same as the body lining and be no more than 1 1/2" from the bottom of the sleeve.
- *** **Badge Reinforcements:** Badge holder shall be placed 1/2" above the left pocket flap, centered and shall be sewn on by hand through outer layer only.
- I-A,B** **Pocket Flaps:** There shall be 4 front pocket flaps with no pockets. Top flaps shall be scalloped, and sewn down at sides, 5 1/2" wide, 2 3/8" at sides and 3 1/4" at center point. Lower pocket flaps shall be scalloped, 7 1/4" wide, 2 3/4" at sides and 3 3/8" at center point. Flaps shall have buttonhole with button fastened by "O" rings under flap. Flaps shall be lined with lining material.
- II-A,B** **Pocket Flaps:** There shall be 4 front pocket flaps with no pockets. Top flaps shall be scalloped, and sewn down at sides, 5 1/4" wide, 1 7/8" at sides and 2 1/2" at center point. Lower pocket flaps shall be scalloped, 6 1/2" wide, 2 1/2" at sides and 3 1/4" at center point. Flaps shall have buttonhole with button fastened by "O" rings under flap. Flaps shall be lined with lining material.
- I-A,B** **Pockets:** Two inside pockets shall be single welt style. Inside pockets shall be made of lining fabric and measure 6" wide by 6 1/2" deep.

ATTACHMENT B

- II-A,B Pockets:** Two inside pockets shall be single welt style. Inside pockets shall be made of lining fabric and measure 4 ¾" wide by 5 ¼" deep.
- I-A,B Back:** The coat shall have a bi-swing belted back. The bi-swing back shall be sewn into the shoulder seam 3/8" from each armhole seam. The bi-swing fold back shall be 1 ½". The facing shall be stitched closed on each side 2 ½" to 3" from the shoulder seam into the side panels. There shall be a back belt, 2" wide at the waist. The bi-swing shall be inserted in the belt top. Belt shall be topstitched ¼" on top and bottom.
- II-A,B Back:** The coat shall have a bi-swing belted back. The bi-swing back shall be sewn into the shoulder seam 3/8" from each armhole seam. The bi-swing fold back shall be 1". The facing shall be stitched closed on each side 3" to 3 ½" from the shoulder seam into the side panels. There shall be a back belt, 2" wide at the waist. The bi-swing shall be inserted in the belt top. Belt shall be topstitched ¼" on top and bottom.
- I-A,B Sleeves:** The sleeves shall be regular coat style, set in with single needle. They shall have a minimum 2" hem for alteration. The bottom of the sleeves shall be lined with wigan.
- II-A,B Sleeves:** The sleeves shall be regular coat style, set in with single needle. They shall have a minimum 1 ½" hem for alteration. The bottom of the sleeves shall be lined with wigan.
- * Patch:** An arrowhead patch shall be sewn securely in the center of the left sleeve with the top edge 1 ¼" to 1 ½" below the shoulder seam depending on the garment size. The patch shall be sewn with inconspicuous stitching using brown thread closely matching the emblem background color.

Sizes and Measurements

Finished Dimensions

I-A,B Sizes: Short 34-46, Regular 34-54, Long 38-54, X Long 40-54

II-A,B Sizes: Petite 4-14, Regular 4-24, Tall 6-22

ATTACHMENT B

N272 Coat, Male, Green 16 Oz. 55/45 P/W Elastique

Specifications are identical for the following other components:

N271 Coat, Male, Green 11 Oz. 55/45 P/W Tropical

N273 Coat, Female, Green 11 Oz. 55/45 P/W Tropical

N274 Coat, Female, Green 16 Oz. 55/45 P/W Elastique

Sample Size: All dimensions are based on Male size-42R, and Female size-14

GENERAL DESCRIPTION

The coat shall be semi-fitted style, single breasted with 4-button front and notch lapels. Single vent, bi-swing belted back. Coat construction shall be used throughout. Body and sleeves shall be fully lined. Pattern furnished by NPS.

TYPE ITEMS: Type I—Male Type II—Female

CLASSIFICATION NPS # (M/F)

*	All Coats	*
A	Winter Elastique	N272/N274
B	Summer Tropical	N271/N273

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A **Basic Material:** The material shall be Raeford Heather Green 16 Oz. 55/45 Polyester/wool elastique.
- *-B **Basic Material:** The material shall be Raeford Heather Forest Green 11 Oz. 55/45 Polyester/wool tropical.
- * **Linings:** The lining material for lining fronts, sleeves, inside pockets, outside pocket flaps, yoke and back vent shall be Rayon, 3.7 ounces per square yard. Color shall be black.
- * **Thread:** All sewing shall be done with Polyester core thread.
- * **Buttons:** Shall have 4 front NPS 36-ligne buttons with stay button and one 24-ligne button with rings on each pocket flap.
- * **Badge Holder:** Black enameled badge holder, Waterbury No. 9705, or equal.
- * **Labels:** See Reference and Requirements.

General Instructions

- * **Button Holes:** Front buttonholes shall be cut-after type. Pocket flaps shall have buttonhole with button fastened by "O" rings under flap.
- II-A,B **Darts:** There shall be a dart on each front running from the shoulder seam to the bottom of the coat. It shall be formed by sewing two separate front panels together.

ATTACHMENT B

Detail Design Characteristics

- I-A,B** **Collar:** The collar shall be lined with high quality collar canvas. The under collar shall be made of all wool under collar cloth, which shall be blind stitched to the jacket. Collar height in back shall be 1 5/8" with 1/4" topstitching from edge.
- II-A,B** **Collar:** The collar shall be lined with high quality collar canvas. The under collar is to be made of all wool under collar cloth, which shall be blind stitched to the jacket. Collar height in back shall be 1 3/4" with 1/4" topstitching from edge.
- I-A,B** **Front:** Coat shall have a fused front and a separate fused chest piece. Only a high quality woven fusible canvas shall be acceptable. Fusing shall be done on a tray feed or belt driven fusing press to insure proper bonding. Coat construction using Hymo canvas and haircloth basted to the coat fronts may also be used. The inside facing with a minimum of 4" shall be made of the same goods as the outer fabric. The front buttonholes shall be cut-after type. There shall be a 2-piece back with a single vent measuring a minimum of 9". The shoulders are to have pads and sleeve heads. The arm holes, vents, and front edges shall be taped. The armholes are to have shields made of outer fabric. The top sleeve linings shall be machine stitched.
- II-A,B** **Front:** Coat shall have a fused front and a separate fused chest piece. Only a high quality woven fusible canvas shall be acceptable. Fusing shall be done on a tray feed or belt driven fusing press to insure proper bonding. Coat construction using Hymo canvas and haircloth basted to the coat fronts may also be used. The inside facing with a minimum of 3 1/2" shall be made of the same goods as the outer fabric. The front buttonholes shall be cut-after type. There shall be a 2-piece back with a single vent measuring a minimum of 8". The shoulders shall have pads and sleeve heads. The arm holes, vents, and front edges shall be taped. The armholes shall have shields made of outer fabric. The top sleeve linings shall be machine stitched.
- *** **Lapels: Notched lapel shall measure 1-1/2" with edge stitching 1/4" on front.**
- I-A,B** **Linings:** To be fully lined. Bottom of the lining shall be no more than 1" from the bottom of the coat and be turned up 1/2". Sleeve lining shall be the same as the body lining and be no more than 2" from the bottom of the sleeve.
- II-A,B** **Linings:** To be fully lined. Bottom of the lining shall be no more than 1" from the bottom of the coat and be turned up 1/2". Sleeve lining shall be the same as the body lining and be no more than 1 1/2" from the bottom of the sleeve.
- *** **Badge Reinforcements:** Badge holder shall be placed 1/2" above the left pocket flap, centered and shall be sewn on by hand through outer layer only.
- I-A,B** **Pocket Flaps:** There shall be 4 front pocket flaps with no pockets. Top flaps shall be scalloped, and sewn down at sides, 5 1/2" wide, 2 3/8" at sides and 3 1/4" at center point. Lower pocket flaps shall be scalloped, 7 1/4" wide, 2 3/4" at sides and 3 3/8" at center point. Flaps shall have buttonhole with button fastened by "O" rings under flap. Flaps shall be lined with lining material.
- II-A,B** **Pocket Flaps:** There shall be 4 front pocket flaps with no pockets. Top flaps shall be scalloped, and sewn down at sides, 5 1/4" wide, 1 7/8" at sides and 2 1/2" at center point. Lower pocket flaps shall be scalloped, 6 1/2" wide, 2 1/2" at sides and 3 1/4" at center point. Flaps shall have buttonhole with button fastened by "O" rings under flap. Flaps shall be lined with lining material.
- I-A,B** **Pockets:** Two inside pockets shall be single welt style. Inside pockets shall be made of lining fabric and measure 6" wide by 6 1/2" deep.

ATTACHMENT B

- II-A,B Pockets:** Two inside pockets shall be single welt style. Inside pockets shall be made of lining fabric and measure 4 ¾" wide by 5 ¼" deep.
- I-A,B Back:** The coat shall have a bi-swing belted back. The bi-swing back shall be sewn into the shoulder seam 3/8" from each armhole seam. The bi-swing fold back shall be 1 ½". The facing shall be stitched closed on each side 2 ½" to 3" from the shoulder seam into the side panels. There shall be a back belt, 2" wide at the waist. The bi-swing shall be inserted in the belt top. Belt shall be topstitched ¼" on top and bottom.
- II-A,B Back:** The coat shall have a bi-swing belted back. The bi-swing back shall be sewn into the shoulder seam 3/8" from each armhole seam. The bi-swing fold back shall be 1". The facing shall be stitched closed on each side 3" to 3 ½" from the shoulder seam into the side panels. There shall be a back belt, 2" wide at the waist. The bi-swing shall be inserted in the belt top. Belt shall be topstitched ¼" on top and bottom.
- I-A,B Sleeves:** The sleeves shall be regular coat style, set in with single needle. They shall have a minimum 2" hem for alteration. The bottom of the sleeves shall be lined with wigan.
- II-A,B Sleeves:** The sleeves shall be regular coat style, set in with single needle. They shall have a minimum 1 ½" hem for alteration. The bottom of the sleeves shall be lined with wigan.
- * Patch:** An arrowhead patch shall be sewn securely in the center of the left sleeve with the top edge 1 ¼" to 1 ½" below the shoulder seam depending on the garment size. The patch shall be sewn with inconspicuous stitching using brown thread closely matching the emblem background color.

Sizes and Measurements

Finished Dimensions

I-A,B Sizes: Short 34-46, Regular 34-54, Long 38-54, X Long 40-54

II-A,B Sizes: Petite 4-14, Regular 4-24, Tall 6-22

ATTACHMENT B

N273 Coat, Female, Green 11 Oz. 55/45 P/W Tropical

Specifications are identical for the following other components:

N271 Coat, Male, Green 11 Oz. 55/45 P/W Tropical

N272 Coat, Male, Green 16 Oz. 55/45 P/W Elastique

N274 Coat, Female, Green 16 Oz. 55/45 P/W Elastique

Sample Size: All dimensions are based on Male size-42R, and Female size-14

GENERAL DESCRIPTION

The coat shall be semi-fitted style, single breasted with 4-button front and notch lapels. Single vent, bi-swing belted back. Coat construction shall be used throughout. Body and sleeves shall be fully lined. Pattern furnished by NPS.

TYPE ITEMS: Type I—Male Type II—Female

CLASSIFICATION NPS # (M/F)

*	All Coats	*
A	Winter Elastique	N272/N274
B	Summer Tropical	N271/N273

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A **Basic Material:** The material shall be Raeford Heather Green 16 Oz. 55/45 Polyester/wool elastique.
- *-B **Basic Material:** The material shall be Raeford Heather Forest Green 11 Oz. 55/45 Polyester/wool tropical.
- * **Linings:** The lining material for lining fronts, sleeves, inside pockets, outside pocket flaps, yoke and back vent shall be Rayon, 3.7 ounces per square yard. Color shall be black.
- * **Thread:** All sewing shall be done with Polyester core thread.
- * **Buttons:** Shall have 4 front NPS 36-ligne buttons with stay button and one 24-ligne button with rings on each pocket flap.
- * **Badge Holder:** Black enameled badge holder, Waterbury No. 9705, or equal.
- * **Labels:** See Reference and Requirements.

General Instructions

- * **Button Holes:** Front buttonholes shall be cut-after type. Pocket flaps shall have buttonhole with button fastened by "O" rings under flap.
- II-A,B Darts:** There shall be a dart on each front running from the shoulder seam to the bottom of the coat. It shall be formed by sewing two separate front panels together.

ATTACHMENT B

Detail Design Characteristics

- I-A,B** **Collar:** The collar shall be lined with high quality collar canvas. The under collar shall be made of all wool under collar cloth, which shall be blind stitched to the jacket. Collar height in back shall be 1 5/8" with 1/4" topstitching from edge.
- II-A,B** **Collar:** The collar shall be lined with high quality collar canvas. The under collar is to be made of all wool under collar cloth, which shall be blind stitched to the jacket. Collar height in back shall be 1 3/4" with 1/4" topstitching from edge.
- I-A,B** **Front:** Coat shall have a fused front and a separate fused chest piece. Only a high quality woven fusible canvas shall be acceptable. Fusing shall be done on a tray feed or belt driven fusing press to insure proper bonding. Coat construction using Hymo canvas and haircloth basted to the coat fronts may also be used. The inside facing with a minimum of 4" shall be made of the same goods as the outer fabric. The front buttonholes shall be cut-after type. There shall be a 2-piece back with a single vent measuring a minimum of 9". The shoulders are to have pads and sleeve heads. The arm holes, vents, and front edges shall be taped. The armholes are to have shields made of outer fabric. The top sleeve linings shall be machine stitched.
- II-A,B** **Front:** Coat shall have a fused front and a separate fused chest piece. Only a high quality woven fusible canvas shall be acceptable. Fusing shall be done on a tray feed or belt driven fusing press to insure proper bonding. Coat construction using Hymo canvas and haircloth basted to the coat fronts may also be used. The inside facing with a minimum of 3 1/2" shall be made of the same goods as the outer fabric. The front buttonholes shall be cut-after type. There shall be a 2-piece back with a single vent measuring a minimum of 8". The shoulders shall have pads and sleeve heads. The arm holes, vents, and front edges shall be taped. The armholes shall have shields made of outer fabric. The top sleeve linings shall be machine stitched.
- *** **Lapels:** Notched lapel shall measure 1-1/2" with edge stitching 1/4" on front.
- I-A,B** **Linings:** To be fully lined. Bottom of the lining shall be no more than 1" from the bottom of the coat and be turned up 1/2". Sleeve lining shall be the same as the body lining and be no more than 2" from the bottom of the sleeve.
- II-A,B** **Linings:** To be fully lined. Bottom of the lining shall be no more than 1" from the bottom of the coat and be turned up 1/2". Sleeve lining shall be the same as the body lining and be no more than 1 1/2" from the bottom of the sleeve.
- *** **Badge Reinforcements:** Badge holder shall be placed 1/2" above the left pocket flap, centered and shall be sewn on by hand through outer layer only.
- I-A,B** **Pocket Flaps:** There shall be 4 front pocket flaps with no pockets. Top flaps shall be scalloped, and sewn down at sides, 5 1/2" wide, 2 3/8" at sides and 3 1/4" at center point. Lower pocket flaps shall be scalloped, 7 1/4" wide, 2 3/4" at sides and 3 3/8" at center point. Flaps shall have buttonhole with button fastened by "O" rings under flap. Flaps shall be lined with lining material.
- II-A,B** **Pocket Flaps:** There shall be 4 front pocket flaps with no pockets. Top flaps shall be scalloped, and sewn down at sides, 5 1/4" wide, 1 7/8" at sides and 2 1/2" at center point. Lower pocket flaps shall be scalloped, 6 1/2" wide, 2 1/2" at sides and 3 1/4" at center point. Flaps shall have buttonhole with button fastened by "O" rings under flap. Flaps shall be lined with lining material.
- I-A,B** **Pockets:** Two inside pockets shall be single welt style. Inside pockets shall be made of lining fabric and measure 6" wide by 6 1/2" deep.

ATTACHMENT B

- II-A,B Pockets:** Two inside pockets shall be single welt style. Inside pockets shall be made of lining fabric and measure 4 ¾" wide by 5 ¼" deep.
- I-A,B Back:** The coat shall have a bi-swing belted back. The bi-swing back shall be sewn into the shoulder seam 3/8" from each armhole seam. The bi-swing fold back shall be 1 ½". The facing shall be stitched closed on each side 2 ½" to 3" from the shoulder seam into the side panels. There shall be a back belt, 2" wide at the waist. The bi-swing shall be inserted in the belt top. Belt shall be topstitched ¼" on top and bottom.
- II-A,B Back:** The coat shall have a bi-swing belted back. The bi-swing back shall be sewn into the shoulder seam 3/8" from each armhole seam. The bi-swing fold back shall be 1". The facing shall be stitched closed on each side 3" to 3 ½" from the shoulder seam into the side panels. There shall be a back belt, 2" wide at the waist. The bi-swing shall be inserted in the belt top. Belt shall be topstitched ¼" on top and bottom.
- I-A,B Sleeves:** The sleeves shall be regular coat style, set in with single needle. They shall have a minimum 2" hem for alteration. The bottom of the sleeves shall be lined with wigan.
- II-A,B Sleeves:** The sleeves shall be regular coat style, set in with single needle. They shall have a minimum 1 ½" hem for alteration. The bottom of the sleeves shall be lined with wigan.
- * Patch:** An arrowhead patch shall be sewn securely in the center of the left sleeve with the top edge 1 ¼" to 1 ½" below the shoulder seam depending on the garment size. The patch shall be sewn with inconspicuous stitching using brown thread closely matching the emblem background color.

Sizes and Measurements

Finished Dimensions

I-A,B Sizes: Short 34-46, Regular 34-54, Long 38-54, X Long 40-54

II-A,B Sizes: Petite 4-14, Regular 4-24, Tall 6-22

ATTACHMENT B

N274 Coat, Female, Green 16 Oz. 55/45 P/W Elastique

Specifications are identical for the following other components:

N271 Coat, Male, Green 11 Oz. 55/45 P/W Tropical

N272 Coat, Male, Green 16 Oz. 55/45 P/W Elastique

N273 Coat, Female, Green 11 Oz. 55/45 P/W Tropical

Sample Size: All dimensions are based on Male size-42R, and Female size-14

GENERAL DESCRIPTION

The coat shall be semi-fitted style, single breasted with 4-button front and notch lapels. Single vent, bi-swing belted back. Coat construction shall be used throughout. Body and sleeves shall be fully lined. Pattern to be furnished by NPS.

TYPE ITEMS: *All Coats Type I—Male Type II—Female

CLASSIFICATION NPS # (M/F)

*	All Coats	*
A	Winter Elastique	N272/N274
B	Summer Tropical	N271/N273

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A **Basic Material:** The material shall be Raeford Heather Green 16 Oz. 55/45 Polyester/wool elastique.
- *-B **Basic Material:** The material shall be Raeford Heather Green 11 Oz. 55/45 Polyester/wool tropical.
- * **Linings:** The lining material for lining fronts, sleeves, inside pockets, outside pocket flaps, yoke and back vent shall be Rayon, 3.7 ounces per square yard. Color shall be black.
- * **Thread:** All sewing shall be done with Polyester core thread.
- * **Buttons:** Shall have 4 front NPS 36-ligne buttons with stay button and one 24-ligne button with rings on each pocket flap.
- * **Badge Holder:** Black enameled badge holder, Waterbury No. 9705, or equal.
- * **Labels:** See Reference and Requirements.

General Instructions

- * **Button Holes:** Front buttonholes shall be cut-after type. Pocket flaps shall have buttonhole with button fastened by "O" rings under flap.
- II-A,B **Darts:** There shall be a dart on each front running from the shoulder seam to the bottom of the coat. It shall be formed by sewing two separate front panels together.

ATTACHMENT B

Detail Design Characteristics

- I-A,B** **Collar:** The collar shall be lined with high quality collar canvas. The under collar shall be made of all wool under collar cloth, which shall be blind stitched to the jacket. Collar height in back shall be 1 5/8" with 1/4" topstitching from edge.
- II-A,B** **Collar:** The collar shall be lined with high quality collar canvas. The under collar is to be made of all wool under collar cloth, which shall be blind stitched to the jacket. Collar height in back shall be 1 3/4" with 1/4" topstitching from edge.
- I-A,B** **Front:** Coat shall have a fused front and a separate fused chest piece. Only a high quality woven fusible canvas shall be acceptable. Fusing shall be done on a tray feed or belt driven fusing press to insure proper bonding. Coat construction using Hymo canvas and haircloth basted to the coat fronts may also be used. The inside facing with a minimum of 4" shall be made of the same goods as the outer fabric. The front buttonholes shall be cut-after type. There shall be a 2-piece back with a single vent measuring a minimum of 9". The shoulders are to have pads and sleeve heads. The arm holes, vents, and front edges shall be taped. The armholes are to have shields made of outer fabric. The top sleeve linings shall be machine stitched.
- II-A,B** **Front:** Coat shall have a fused front and a separate fused chest piece. Only a high quality woven fusible canvas shall be acceptable. Fusing shall be done on a tray feed or belt driven fusing press to insure proper bonding. Coat construction using Hymo canvas and haircloth basted to the coat fronts may also be used. The inside facing with a minimum of 3 1/2" shall be made of the same goods as the outer fabric. The front buttonholes shall be cut-after type. There shall be a 2-piece back with a single vent measuring a minimum of 8". The shoulders shall have pads and sleeve heads. The arm holes, vents, and front edges shall be taped. The armholes shall have shields made of outer fabric. The top sleeve linings shall be machine stitched.
- *** **Lapels: Notched lapel shall measure 1-1/2" with edge stitching 1/4" on front.**
- I-A,B** **Linings:** To be fully lined. Bottom of the lining shall be no more than 1" from the bottom of the coat and be turned up 1/2". Sleeve lining shall be the same as the body lining and be no more than 2" from the bottom of the sleeve.
- II-A,B** **Linings:** To be fully lined. Bottom of the lining shall be no more than 1" from the bottom of the coat and be turned up 1/2". Sleeve lining shall be the same as the body lining and be no more than 1 1/2" from the bottom of the sleeve.
- *** **Badge Reinforcements:** Badge holder shall be placed 1/2" above the left pocket flap, centered and shall be sewn on by hand through outer layer only.
- I-A,B** **Pocket Flaps:** There shall be 4 front pocket flaps with no pockets. Top flaps shall be scalloped, and sewn down at sides, 5 1/2" wide, 2 3/8" at sides and 3 1/4" at center point. Lower pocket flaps shall be scalloped, 7 1/4" wide, 2 3/4" at sides and 3 3/8" at center point. Flaps shall have buttonhole with button fastened by "O" rings under flap. Flaps shall be lined with lining material.
- II-A,B** **Pocket Flaps:** There shall be 4 front pocket flaps with no pockets. Top flaps shall be scalloped, and sewn down at sides, 5 1/4" wide, 1 7/8" at sides and 2 1/2" at center point. Lower pocket flaps shall be scalloped, 6 1/2" wide, 2 1/2" at sides and 3 1/4" at center point. Flaps shall have buttonhole with button fastened by "O" rings under flap. Flaps shall be lined with lining material.
- I-A,B** **Pockets:** Two inside pockets shall be single welt style. Inside pockets shall be made of lining fabric and measure 6" wide by 6 1/2" deep.

ATTACHMENT B

- II-A,B Pockets:** Two inside pockets shall be single welt style. Inside pockets shall be made of lining fabric and measure 4 ¾" wide by 5 ¼" deep.
- I-A,B Back:** The coat shall have a bi-swing belted back. The bi-swing back shall be sewn into the shoulder seam 3/8" from each armhole seam. The bi-swing fold back shall be 1 ½". The facing shall be stitched closed on each side 2 ½" to 3" from the shoulder seam into the side panels. There shall be a back belt, 2" wide at the waist. The bi-swing shall be inserted in the belt top. Belt shall be topstitched ¼" on top and bottom.
- II-A,B Back:** The coat shall have a bi-swing belted back. The bi-swing back shall be sewn into the shoulder seam 3/8" from each armhole seam. The bi-swing fold back shall be 1". The facing shall be stitched closed on each side 3" to 3 ½" from the shoulder seam into the side panels. There shall be a back belt, 2" wide at the waist. The bi-swing shall be inserted in the belt top. Belt shall be topstitched ¼" on top and bottom.
- I-A,B Sleeves:** The sleeves shall be regular coat style, set in with single needle. They shall have a minimum 2" hem for alteration. The bottom of the sleeves shall be lined with wigan.
- II-A,B Sleeves:** The sleeves shall be regular coat style, set in with single needle. They shall have a minimum 1 ½" hem for alteration. The bottom of the sleeves shall be lined with wigan.
- * Patch:** An arrowhead patch shall be sewn securely in the center of the left sleeve with the top edge 1 ¼" to 1 ½" below the shoulder seam depending on the garment size. The patch shall be sewn with inconspicuous stitching using brown thread closely matching the emblem background color.

Sizes and Measurements

Finished Dimensions

I-A,B Sizes: Short 34-46, Regular 34-54, Long 38-54, X Long 40-54

II-A,B Sizes: Petite 4-14, Regular 4-24, Tall 6-22

ATTACHMENT B

N276 Cover, Hat, Translucent, Vinyl

Specifications are identical for the following other component:

C275 Cover, Hat, Translucent, Vinyl

Sample Size: All dimensions are based on a size L.

GENERAL DESCRIPTION

MP Model 40, Smokey-the Bear, Campaign or Montana Peak style rain hat cover

TYPE ITEMS: *All Hats

CLASSIFICATION	COE# (M/F)	NPS# (M/F)
* All Hats	* C275	* N276

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The covers shall be made of clear Goodyear vinyl plastic.
- * **Label:** See general reference and requirement sheet.

Detail Design Characteristics

- * **Construction:** Plastic shall be waterproof, formed to fit campaign style hat.

Sizes and Measurements

Finished Dimensions

- * **Sizes:**
Small- for sizes 6-1/2, 6- 5/8 and 6-3/4
Medium-for sizes 6-7/8, 7, 7-1/8
Large-for sizes 7-1/4, 7-3/8
Extra Large-for sizes 7-1/2 and larger

ATTACHMENT B

N282 Coveralls, Green 12 Oz. Cotton Duck, Insulated

Specifications are identical for the following other component:

F277 Coveralls, Brown 12 Oz. Cotton Duck, Insulated

C281 Coveralls, Green 12 Oz. Cotton Duck, Insulated

Sample Size: All dimensions are based on size 42R

GENERAL DESCRIPTION

Walls Carhart coveralls or equal, fully lined and insulated coveralls are designed to be worn as outer garments over regular clothing. The coveralls feature front zipper closures with four front pockets and three back pockets. Outseams have thigh-high zipper closures.

TYPE ITEMS: *--Male and Female

CLASSIFICATION	FWS #	NPS #	COE #
* All Coveralls	*	*	*
A Brown	F277	-	-
B Green		N282	C281

SALIENT CHARACTERISTICS

Components

- *-A **Basic Material:** The shell material shall be brown 12 ounces per square yard, vat-dyed 100 percent cotton duck. The lining shall be 100% nylon taffeta with 100% polyester 4 ounces per square yard fill. The lining fabric yarn denier shall be 70 warp and 70 fill. Construction shall be 104 warp and 68 fill threads.
- *-B **Basic Material:** The shell material shall be Forest Green 12 ounces per square yard, vat-dyed 100 percent cotton duck with Forest Green color. The lining shall be 100% nylon taffeta with 100% polyester 4 ounces per square yard fill. The lining fabric yarn denier shall be 70 warp and 70 fill. Construction shall be 104 warp and 68 filling threads.
- * **Front Zipper:** The front closure shall be two-way, size 5 brass zipper with single pull long tab sliders positioned mouth-to-mouth. There shall be one snap centered on the waistband, ½" from the front edge and one snap 1" below neckline and 1" from the front edge. A 1 1/8" wide storm flap shall cover the zipper.
- * **Leg Zipper:** Coveralls shall have a full-length two way, size 5 brass zipper inserted in sideseam of each leg from bottom of pant cuff to waistband. Zipper shall be same as front zipper except for length. A 1 ¼" storm flap shall cover zipper and be snapped with four snaps, one at bottom of pant leg and three equally spaced between leg bottom and waistband.
- * **Lining:** The insulated lining shall be attached to outer shell with 8-12 stitches per inch. All seams shall be inverted. Lining shall be inserted in bodice portion and stitched directly to shell in pants portion.
- * **Label:** See general reference and requirements sheet.
- * **Thread:** Oncore size 50 polyester core/cotton wrap to match basic materials.

ATTACHMENT B

General Instructions

- * **Cutting:** N/A.
- * **Stitching:** Double or triple needle construction, 1/4" gauge, on all seams except label and collar. Five-thread overedge chain stitch with safety stitch, 3/8" gauge. Zipper tapes shall be attached with two rows of stitching.

Detail Design Characteristics

- * **Front:** The waistband and waistband lining shall be folderset, 1 3/8" to 1 5/8" wide, one-piece construction. Waistband shall be basic material and waistband lining shall be self-goods fabric. Waistband and waistband lining shall be topstitched with double stitching 3/16" to 1/4" gauge, at top and bottom of waistband with outer rows 1/16" from edges.
- * **Pockets:** There shall be four front pockets consisting of two breast patch pockets with size 3 brass zipper closures which shall be 5 1/2" to 7" long. Breast pockets shall be 7" wide, 4" on front side and 7" on back side. Breast pockets to be a minimum of 5 1/2" wide by 5 3/4" deep. Two front quartertop swing pockets with 7 1/2" opening by 5" deep from bottom edge of opening. Pocketing shall be 80% polyester - 20% rayon greige, 3 ounces weight. Two hip pockets, minimum 7", folderset, shall be attached with 7-9 stitches per inch.
- * **Collar:** The fabric shall be same color as coverall or dark brown corduroy for the top collar with basic material as undercollar. The collar shall be stitched, turned and topstitched 1/8" to 1/4" gauge. The collar shall be approximately 4 1/2" high at center back and shall be approximately 19" wide with approximately 4" collar points.
- * **Sleeves:** The sleeves shall be two-piece, set-in construction hemmed with inside knit wristlet. The pencil pocket on the left sleeve is optional.
- * **Bi-Swing Back:** There shall be a two-piece back with a 1" wide pleat.
- *-A **Patch:** The large U.S. Fish and Wildlife Service patch (4 1/2" x 3 1/2") shall be sewn on the left sleeve, centered and 1 3/4" to 2" below the shoulder seam depending on the size of the garment..
- *-B **Patch:** An arrowhead shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 1 3/4" to 2" below the shoulder seam depending on the garment size. The patch shall be sewn with inconspicuous stitching using a brown thread closely matching the emblem background color.

Sizes and Measurements

- * **Sizes:**
 - Short 36-48
 - Regular 32-54
 - Long 38-52
 - X Long 40-48

ATTACHMENT B

N283 Coveralls, Green 8 Oz. Cotton Duck, Uninsulated

Specifications are identical for the following other component:

F278 Coveralls, Brown 8 Oz. Cotton Duck, Uninsulated

Sample Size: All dimensions are based on size 44R

GENERAL DESCRIPTION

Walls Carhart coveralls or equal are designed to be worn as outer garments over regular clothing. The coveralls feature front zipper closures with four front pockets and three back pockets.

TYPE ITEMS: *--Male and Female

CLASSIFICATION	FWS # (M/F)	NPS # (M/F)
* All Coveralls	*	*
A Brown	F278	
B Green		N283

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A **Basic Material:** The basic material shall be vat-dyed 100 percent cotton duck, 8 ounces per square yard, minimum. The color shall be brown.
- *-B **Basic Material:** The basic material shall be vat-dyed 100 percent Forest Green cotton duck, 8 ounces per square yard, minimum.
- * **Front Zipper:** The front closure shall be two-way, size 5 brass zipper with single pull, long tab sliders positioned mouth-to-mouth. There shall be one snap centered on the waistband, ½” from the front edge, and one snap 1” below the neckline and 1” from front edge. A 1 1/8” wide storm flap shall cover the zipper.
- * **Lining:** N/A.
- * **Label:** See general reference and requirements sheet.
- * **Thread:** Oncore size 50 polyester core/cotton wrap to match basic materials.

General Instructions

- * **Cutting:** N/A.
- * **Stitching:** Five-thread overedge chain stitch with safety stitch 3/8” gauge, 6-10 stitches per inch. Collar and lapels shall be single needle construction.

ATTACHMENT B

Detail Design Characteristics

- * **Front:** The waistband shall be folderset, 1 3/8" wide, one-piece construction. Waistband shall be basic material. Waistband shall be topstitched with double stitching 1/4" gauge, at top and bottom of waistband with outer rows 1/8" from edges.
- * **Pockets:** There shall be two breast patch pockets with size 3 brass zipper closures which shall be a minimum of 5 1/2" long. Breast pockets shall be a minimum of 6 1/2" wide, minimum of 3 7/8" on front side and a minimum of 7" on back side. There shall be two minimum 5 1/2" quartertop front pockets 11" deep to waistband and two bottom reinforced swing pockets with passthrough at the outseams. The pocketing shall be 80-20 poly rayon, 3-ounce weight. The two back hip pockets shall be patch pockets minimum of 7" wide by a minimum of 7 1/2" deep and folderset attached with double stitching, 3/16" gauge. Left hip pocket has a zipper (same size and type as breast pocket zipper) and is optional.
- * **Collar:** The collar shall be convertible one-piece construction made from same material or brown corduroy material. The collar shall be approximately 4 1/2" high at center back, 19" wide with 4" collar points. It shall be stitched, turned and topstitched 1/8" gauge. The under collar shall be made from basic material.
- * **Sleeves:** The sleeves shall be two-piece, set-in construction with snap closure. Left sleeve pencil pocket is optional.
- * **Back:** The back shall be 2 piece, bi-swing style with double seam construction. Each side shall have a 1" pleat at the shoulder seam, folded from inside to outside seam and topstitched 1/4" gauge. The pleat shall taper to 3/8" at the waist. A 1 1/4" wide tab shall be sewn in each outside seam 5 1/2" below sleeve seam. Tab shall be 2 3/4" long with a horizontal buttonhole centered on the tab, 1/4" from open end. Two brass buttons shall be sewn 2 1/2" above waistband 1 1/2" apart with the first button 3" from side seam.
- *-A **Patch:** An official U.S. Fish and Wildlife Service shoulder shall be sewn securely in the center of the left sleeve with the top edge 1 3/4" to 2" below the shoulder seam. The patch shall be sewn with inconspicuous stitching using a thread closely matching the emblem background color.
- *-B **Patch:** An arrowhead shoulder shall be sewn securely in the center of the left sleeve with the top edge 1 3/4" to 2" below the shoulder seam. The patch shall be sewn with inconspicuous stitching using a brown thread closely matching the emblem background color.

Sizes and Measurements

- * **Sizes:**
 - Short 36-48
 - Regular 32-54
 - Long 38-54
 - XLong 42-48

ATTACHMENT B

N288 Gaiters, Green Gore-Tex

Specifications are identical for the following other component:

F287 Gaiters, Dark Brown Gore-Tex

Sample Size: All dimensions are based on size large.

GENERAL DESCRIPTION

The gaiters shall be Raven Industries or equal. The uppers shall be constructed from two-ply Gore-Tex fabric and lined with nylon taffeta. The gaiters have a nylon instep strap with zipper and snap closed side openings.

TYPE ITEMS: *--All Gaiters

CLASSIFICATION	FWS #	NPS #
* All Gaiters	*	*
	F287	N288

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The upper panels shall be constructed from Gore-Tex fabric, the lower panels shall be constructed from 1000 Denier Cordura Urethane coated dark brown (FWS) or Forest Green (NPS).
- * **Zipper:** The zippers shall be Vislon plastic scoop type, size 5 or equal. The zippers shall have single, long pull tab sliders and 1/2 inch wide tapes.
- * **Labels:** See Reference and Requirements.

Detail Design Characteristics

- * **Construction:** The coated side of the Gore-Tex laminate shall face to the inside. All stitching shall be lock stitch (type 301).
- * **Upper Panel:** The upper panels shall extend down 10 1/2 inches. The top of the upper panels shall be turned to the inside, folded down with the raw edge turned under and topstitched 1/8 inch. The top edge seam shall finish 1 3/8 inch wide and shall form a draw cord channel. A 1/4 inch wide nylon lace draw cord shall be inserted into the channel with an end stitched down to the front edge of the under flap with the other end extending out past the edge of the over-flap a minimum of 3 inches in a relaxed state. A black plastic cord lock 1 inch long oval shaped and a 1/4 inch diameter opening shall be attached to the end of the draw cord. The bottom of the upper panel shall be joined to the bottom panel with overedge seam turned up and double needle 1/4 inch gauge. With the gaiter opened, the one piece upper panel including the over-flap shall be 19-3/8 inches wide at the top and 17 3/4 inches wide where it joins the lower panel.

ATTACHMENT B

- * **Lower Panel:** The lower panel shall extend down from the upper panel joining seam 7 1/2 inches. The lower panel including the over-flap shall be 17 3/4 inches wide at the top and 21 inches wide at the bottom. Extended the lower panel shall be constructed with two pieces. The outside piece shall be 5 1/2 inches wide at the top and 7-1/4 inches wide at the bottom between the back edge of the over-flap to the center front seam. The center front seam shall be sewn to form a curve down the front edge of the gaiters. A boot lace hook shall be located on the center fold seam 1/4 inch from the bottom, with the hook to the inside and curving towards the back. The inside lower panel shall be 11-3/4 inches wide at the top and 14-1/2 inches wide at the bottom. A 3/4 inch wide elastic band shall be sewn into the bottom seam and shall start 1 inch from the side seam and extend 6 inches from the side seam. The bottom seam shall finish 1 inch wide and shall be formed by folding the bottom edge up to the inside with the raw edge turned under and edge stitching it 1/8 inch gage. Two 1/2 inch diameter grommets with the hold measuring 1/4 inch in diameter shall be secured 4 1/2 inches from the center front seam and 1/2 inch from the bottom edge. A 1/2 inch wide nylon lace measuring 15 inches in length shall be tied onto one of the grommets.
- * **Side Opening:** The side opening shall close with a zipper 16 inches long. The zipper shall start even with the bottom edge of the gaiters with the zipper tape sewn to the inside. The edge of the under flap shall be folded to the inside then double stitched through the folded edge to the zipper tape. Five male snaps shall be attached 3/4 inch from the folded edge of the under flap with the top one, 1/2 inch from the upper edge of the gaiters and the bottom snap 1/2 inch up from the bottom edge of the gaiters. The other 3 snaps shall be spaced equally between the top and bottom snaps. The over-flap shall be 1 3/4 inches wide and shall be formed by folding back the raw edge of the upper and lower panels 2 inches to the inside. The other zipper tape edge shall be aligned with the folded raw edge and double stitched. Five female snaps shall be fastened 5/8 inch from the folded edge of the over-flap in locations corresponding to the male snaps.

Sizes and Measurements

Finished Dimensions:

- * **Sizes:** The gaiters shall come in regular and extra wide. The extra wide size shall be the same as the regular except that it shall be 3 inches greater in circumference.

ATTACHMENT B

N290 Gloves, Male, Brown Cowhide, Thinsulate

Specifications are identical for the following other components:

F289 Gloves, Male, Brown Cowhide, Thinsulate

N293 Gloves, Female, Brown, Cowhide, Thinsulate

F294 Gloves, Female, Brown, Cowhide, Thinsulate

Sample Size: All dimensions are based on Male size L and Female size M.

GENERAL DESCRIPTION

Gates Turbo Cowhide Thinsulate lined dress gloves with hook and pile tape wrist closure or equal.

TYPE ITEMS: *--All Gloves Type I—Male Type II—Female

CLASSIFICATION FWS # (M/F) NPS # (M/F)

* All gloves *	*	*
	F289/ F294	N290/ N293

SALIENT CHARACTERISTICS

Components

Type-Class

I-* **Basic Material:** The basic material shall be 1 ¾ ounce brown oil tanned, top grain cowhide leather.

II-* **Basic Material:** The basic material shall be 1 ½ ounce brown oil tanned, top grain cowhide leather.

I-* **Interlining:** The interliner shall be thinsulate or equal microfiber insulation of 65% olefin and 35% polyester. The insulation shall weigh 100 grams per square meter.

II-* **Interlining:** The interliner shall be thinisulate or equal microfiber insulation of 65% olefin and 35% polyester. The insulation shall weight 40 grams per square meter.

* **Lining:** The lining shall be 100 percent light brown knitted rayon.

* **Labels:** See general references and requirements sheet.

Detail Design Characteristics

I-* **Construction:** The glove shall be constructed from a single piece front and back, single piece thumb, six fourchettes and one wrist strap. The main panel shall be folded back on upon itself to form the fronts and backs of the four fingers and palm. Single fourchettes shall be sewn to the two outer fingers and double fourchettes sewn to the two middle fingers. The thumb shall be one piece construction with the end of the thumb folded back upon itself and stitched together. The bottom of the thumb shall be oval in shape and stitched to the front of the glove. The top center edge of the back shall be cut down vertically 2-1/4". A half-inch wide strip of leather shall be sewn to the top edge of the glove then rolled to the inside and edge stitched ¼" gage. The strip shall bind the outer shell and lining together. Elastic shirring shall be sewn to the thumb half of the top back with a leather strip 2" long and 7/8" wide. On the other side of the vent a piece of hook tape ¾" wide and 1-1/2" long shall be sewn to the back. A leather strip 2" long and 7/8" wide shall be caught in the binding operation of the vent. A matching piece of pile tape shall be sewn to the end of the strip. Three decorative rows of double stitching 1/8" gage shall be sewn horizontally across the palms.

All glove stitching shall be type 301. The thumb end seam and the seams stitching the fourchettes to the front of the glove shall be turned inside. The thumb attachment seam and the seams attaching the fourchettes to the back of the glove shall be lap seams with stitching out.

ATTACHMENT B

II-* **Construction:** The glove shall be constructed from a single piece front and back single piece thumb, and six fourchettes, and one wrist strap. The main panel shall be folded back on upon itself to from the fronts and backs of the four fingers and palm. Single fourchettes shall be sewn to the tow outer fingers and double fourchettes sewn to the two middle fingers. The thumb shall be one piece construction with the end of the thumb folded back upon itself and stitched together. The bottom of the thumb shall be oval in shape and stitched to the front of the glove. The top center edge of the back shall be cut down vertically 2-1/4 inches. A half inch wide strip of leather shall be sewn to the top edge of the glove then rolled to the inside and edge stitched 1/4" gage. The strip shall bind the outer shell and lining together. Elastic shirring shall be sewn to the thumb half of the top back with a leather strip 2" long and 7/8" wide. On the other side of the vent a piece of hook tape 3/4" wide and 1-1/2" long shall be sewn to the back. A leather tab 2" long and 7/8" wide shall be caught in the binding operation of the vent. A matching piece of pile tape shall be sewn to the end of the strip. Cut is 1-3/4". The edge of the cuff shall be folded to the inside 1/4" and sewn down to bind cut edges of interlining and lining. All other seams shall be sewn to the outside and joined with a serge stitch. Three decorative rows of double stitching 1/8" gage shall be sewn vertically into the side seam.

***** **Lining and Interlining:** The gloves shall be fully lined and interlined.

Sizes and Measurements

I-* **Finished Dimensions:** The overall glove length shall be 10-1/4" long from the tip of the middle finger to the edge of cuff. The glove shall be 4-1/2" wide when spread out and measured 1/2" above the base of the little finger.

II-* **Finished Dimensions:** The overall glove length shall be 9" long from the from the tip of the middle finger to the edge of cuff. The glove shall be 3-3/4" wide when spread out and measured 1/2" above the base of the little finger.

I-* **Sizes:** S, M, L, and XL.

II-* **Sizes:** S, M, L, and XL

ATTACHMENT B

N292 Gloves, Male, Brown Deerskin

Specifications are identical for the following other components:

F291 Gloves, Male, Brown Deerskin

F295 Gloves, Female, Brown Deerskin

N296 Gloves, Female, Brown Deerskin

Sample Size: All dimensions are based on Male size L and Female size M.

GENERAL DESCRIPTION

Gates deerskin dress gloves with removable wool liners or equal. Gloves have outseam construction and an adjustable wrist strap snap closure.

TYPE ITEMS: * All Gloves Type I—Male Type II—Female

CLASSIFICATION FWS # (M/F)

*	All Gloves	*
A	FWS Gloves	F291/F295 NPS # (M/F)
B	NPS Gloves	N292/N296

SALIENT CHARACTERISTICS

Components

Type-Class

- I-*** **Basic Material:** The basic material shall be oil tanned, full grain deerskin leather. 2 ½ ounces thick. The deerskin shall be dark brown color.
- II-*** **Basic Material:** The basic material shall be oil tanned, full grain deerskin leather, 1 ¾ ounces thick. The deerskin shall be dark brown color.
- *** **Lining:** The liners shall be 80 percent wool, 20 percent nylon.
- *** **Labels:** See general references and requirements sheet.

Detail Design Characteristics

- I-*** **Construction:** The glove shall be constructed from a single piece front and back, single piece thumb, six fourchettes, one dart, and one wrist strap. The main panel shall be folded back upon itself to form the fronts and backs of the four fingers. Single fourchettes shall be sewn to the two outer fingers and double fourchettes sewn to the two middle fingers. The thumb shall be one piece construction with the end of the thumb folded back upon itself and stitched together. The bottom of the thumb shall be oval in shape and stitched to the front of the glove. The top center edge of the palm shall be cut 2 ¾" and a triangular dart sewn under the cut. Dart shall finish 3" long and 1 5/8" wide at cuff. The top edge of the glove shall be folded under 1/2" and edge stitched 1/4" gauge. A wrist strap shall be formed by folding a strip back on itself and edge stitching both sides 1/16" gauge. The strap shall be 7/8" wide and 7 1/2" long. One end shall be rounded and the other end caught in the side seam opposite the thumb. A 3/4" rectangular keeper shall be attached into a cut and stitched slot below the thumb with a 1" loop of leather. A stud buckle with a 3/4" slot shall be threaded on to the strap, the round end run up through the keeper and a female 24 line brown socket attached 1" from the rounded end. When closed the snap shall finish to the outside.

ATTACHMENT B

Three 3 1/2" two outer rows vertical decorative pairs of stitching 1/8" gauge shall be sewn on the backs just above the fingers. All glove stitching shall be type 301. All seams shall be type SSa 1, 1/8" gauge with seams to the outside except for the dart seams which shall be type LSa 1.

II-* **Construction:** The glove shall be constructed from a single piece front and back, single piece thumb, six fourchettes, one dart, and one wrist strap. The main panel shall be folded back upon itself to form the fronts and backs of the four fingers. Single fourchettes shall be sewn to the two outer fingers and double fourchettes sewn to the two middle fingers. The thumb shall be one piece construction with the end of the thumb folded back upon itself and stitched together. The bottom of the thumb shall be oval in shape and stitched to the front of the glove. The top center edge of the palm shall be cut 1 1/2" and a triangular dart sewn under the cut. Dart shall finish 1 1/2" long and 1 1/4" wide at cuff. The top edge of the glove shall be folded under 1/4" and edge stitched 1/8" gauge. A wrist strap shall be formed by folding a strip back on itself and edge stitching both sides 1/16" gauge. The strap shall be 7/8" wide and 5 3/4" long. One end shall be rounded and the other end caught in the side seam opposite the thumb. A 3/4" rectangular keeper shall be attached into a cut and stitched slot below the thumb with a 1" loop of leather. A stud buckle with a 3/4" slot shall be threaded on to the strap, the round end run up through the keeper and a female 24 line brown socket attached 1/2" from the rounded end. When closed the snap shall finish to the outside. All glove stitching shall be type 301. All seams shall be type SSa 1, 1/8" gauge with seams to the outside except for the dart seams which shall be type LSa 1. No decorative stitching.

***** **Wool Lining:** The wool glove liner shall be one piece rib knit construction. The glove body shall be a fine rib knit and the cuff shall be a wide rib knit. The cut end shall be serged, folded down to the inside 3 1/2" to form the cuff.

Sizes and Measurements

I-* **Finished Dimensions:** The overall glove length shall be 10 1/2" long from the tip of the middle finger to the edge of cuff. The glove shall be 4 5/8" wide when spread out and measured 1/2" above the base of the little finger. The wool liner shall be 12 1/4" long and 4 1/2" wide.

II-* **Finished Dimensions:** The overall glove length shall be 9 3/4" long from the tip of the middle finger to the edge of cuff. The glove shall be 4" wide when spread out and measured 1/2" above the base of the little finger.

I-* **Sizes:** S, M, L, XL

II-* **Sizes:** S, M, L

ATTACHMENT B

N293 Gloves, Female, Brown Cowhide, Thinsulate

Specifications are identical for the following other components:

F289 Gloves, Male, Brown Cowhide, Thinsulate

N290 Gloves, Male, Brown Cowhide, Thinsulate

F294 Gloves, Female, Brown Cowhide, Thinsulate

Sample Size: All dimensions are based on Male size L and Female size M.

GENERAL DESCRIPTION

Gates Turbo Cowhide Thinsulate lined dress gloves with hook and pile tape wrist closure or equal.

TYPE ITEMS: *--All Gloves Type I—Male Type II—Female

CLASSIFICATION FWS # (M/F) NPS # (M/F)

*	All Gloves *	*	*
		F289/ F294	N290/ N293

SALIENT CHARACTERISTICS

Components

Type-Class

I-* **Basic Material:** The basic material shall be 1 ¾ ounce brown oil tanned, top grain cowhide leather.

II-* **Basic Material:** The basic material shall be 1 ½ ounce brown oil tanned, top grain cowhide leather.

I-* **Interlining:** The interliner shall be thinsulate or equal microfiber insulation of 65% olefin and 35% polyester. The insulation shall weigh 100 grams per square meter.

II-* **Interlining:** The interliner shall be thinisulate or equal microfiber insulation of 65% olefin and 35% polyester. The insulation shall weight 40 grams per square meter.

***** **Lining:** The lining shall be 100 percent light brown knitted rayon.

***** **Labels:** See general references and requirements sheet.

ATTACHMENT B

Detail Design Characteristics

I-* **Construction:** The glove shall be constructed from a single piece front and back, single piece thumb, six fourchettes and one wrist strap. The main panel shall be folded back on upon itself to form the fronts and backs of the four fingers and palm. Single fourchettes shall be sewn to the two outer fingers and double fourchettes sewn to the two middle fingers. The thumb shall be one piece construction with the end of the thumb folded back upon itself and stitched together. The bottom of the thumb shall be oval in shape and stitched to the front of the glove. The top center edge of the back shall be cut down vertically 2-1/4". A half-inch wide strip of leather shall be sewn to the top edge of the glove then rolled to the inside and edge stitched 1/4" gage. The strip shall bind the outer shell and lining together. Elastic shirring shall be sewn to the thumb half of the top back with a leather strip 2" long and 7/8" wide. On the other side of the vent a piece of hook tape 3/4" wide and 1-1/2" long shall be sewn to the back. A leather strip 2" long and 7/8" wide shall be caught in the binding operation of the vent. A matching piece of pile tape shall be sewn to the end of the strip. Three decorative rows of double stitching 1/8" gage shall be sewn horizontally across the palms.

All glove stitching shall be type 301. The thumb end seam and the seams stitching the fourchettes to the front of the glove shall be turned inside. The thumb attachment seam and the seams attaching the fourchettes to the back of the glove shall be lap seams with stitching out.

II-* **Construction:** The glove shall be constructed from a single piece front and back single piece thumb, and six fourchettes, and one wrist strap. The main panel shall be folded back on upon itself to from the fronts and backs of the four fingers and palm. Single fourchettes shall be sewn to the tow outer fingers and double fourchettes sewn to the two middle fingers. The thumb shall be one piece construction with the end of the thumb folded back upon itself and stitched together. The bottom of the thumb shall be oval in shape and stitched to the front of the glove. The top center edge of the back shall be cut down vertically 2-1/4 inches. A half inch wide strip of leather shall be sewn to the top edge of the glove then rolled to the inside and edge stitched 1/4" gage. The strip shall bind the outer shell and lining together. Elastic shirring shall be sewn to the thumb half of the top back with a leather strip 2" long and 7/8" wide. On the other side of the vent a piece of hook tape 3/4" wide and 1-1/2" long shall be sewn to the back. A leather tab 2" long and 7/8" wide shall be caught in the binding operation of the vent. A matching piece of pile tape shall be sewn to the end of the strip. Cut is 1-3/4". The edge of the cuff shall be folded to the inside 1/4" and sewn down to bind cut edges of interlining and lining. All other seams shall be sewn to the outside and joined with a serge stitch. Three decorative rows of double stitching 1/8" gage shall be sewn vertically into the side seam.

***** **Lining and Interlining:** The gloves shall be fully lined and interlined.

Sizes and Measurements

I-* **Finished Dimensions:** The overall glove length shall be 10-1/4" long from the tip of the middle finger to the edge of cuff. The glove shall be 4-1/2" wide when spread out and measured 1/2" above the base of the little finger.

II-* **Finished Dimensions:** The overall glove length shall be 9" long from the from the tip of the middle finger to the edge of cuff. The glove shall be 3-3/4" wide when spread out and measured 1/2" above the base of the little finger.

I-* **Sizes:** S, M, L, and XL.

II-* **Sizes:** S, M, L, and XL.

ATTACHMENT B

N296 Gloves, Female, Brown Deerskin

Specifications are identical for the following other components:

F291 Gloves, Male, Brown Deerskin

N292 Gloves, Male, Brown Deerskin

F295 Gloves, Female, Brown Deerskin

Sample Size: All dimensions are based on Male size L and Female size M.

GENERAL DESCRIPTION

Gates deerskin dress gloves with removable wool liners or equal. Gloves have outseam construction and an adjustable wrist strap snap closure.

TYPE ITEMS: * All Gloves Type I—Male Type II—Female

CLASSIFICATION FWS # (M/F)

*	All Gloves	*
A	FWS Gloves	F291/F295 NPS # (M/F)
B	NPS Gloves	N292/N296

SALIENT CHARACTERISTICS

Components

Type-Class

- I-*** **Basic Material:** The basic material shall be oil tanned, full grain deerskin leather. 2 ½ ounces thick. The deerskin shall be dark brown color.
- II-*** **Basic Material:** The basic material shall be oil tanned, full grain deerskin leather, 1 ¾ ounces thick. The deerskin shall be dark brown color.
- *** **Lining:** The liners shall be 80 percent wool, 20 percent nylon.
- *** **Labels:** See general references and requirements sheet.

Detail Design Characteristics

- I-*** **Construction:** The glove shall be constructed from a single piece front and back, single piece thumb, six fourchettes, one dart, and one wrist strap. The main panel shall be folded back upon itself to form the fronts and backs of the four fingers. Single fourchettes shall be sewn to the two outer fingers and double fourchettes sewn to the two middle fingers. The thumb shall be one piece construction with the end of the thumb folded back upon itself and stitched together. The bottom of the thumb shall be oval in shape and stitched to the front of the glove. The top center edge of the palm shall be cut 2 ¾" and a triangular dart sewn under the cut. Dart shall finish 3" long and 1 5/8" wide at cuff. The top edge of the glove shall be folded under 1/2" and edge stitched 1/4" gauge. A wrist strap shall be formed by folding a strip back on itself and edge stitching both sides 1/16" gauge. The strap shall be 7/8" wide and 7 1/2" long. One end shall be rounded and the other end caught in the side seam opposite the thumb. A 3/4" rectangular keeper shall be attached into a cut and stitched slot below the thumb with a 1" loop of leather. A stud buckle with a 3/4" slot shall be threaded on to the strap, the round end run up through the keeper and a female 24 line brown socket attached 1" from the rounded end. When closed the snap shall finish to the outside.

ATTACHMENT B

Three 3 1/2" two outer rows vertical decorative pairs of stitching 1/8" gauge shall be sewn on the backs just above the fingers. All glove stitching shall be type 301. All seams shall be type SSa 1, 1/8" gauge with seams to the outside except for the dart seams which shall be type LSa 1.

II-* **Construction:** The glove shall be constructed from a single piece front and back, single piece thumb, six fourchettes, one dart, and one wrist strap. The main panel shall be folded back upon itself to form the fronts and backs of the four fingers. Single fourchettes shall be sewn to the two outer fingers and double fourchettes sewn to the two middle fingers. The thumb shall be one piece construction with the end of the thumb folded back upon itself and stitched together. The bottom of the thumb shall be oval in shape and stitched to the front of the glove. The top center edge of the palm shall be cut 1 1/2" and a triangular dart sewn under the cut. Dart shall finish 1 1/2" long and 1 1/4" wide at cuff. The top edge of the glove shall be folded under 1/4" and edge stitched 1/8" gauge. A wrist strap shall be formed by folding a strip back on itself and edge stitching both sides 1/16" gauge. The strap shall be 7/8" wide and 5 3/4" long. One end shall be rounded and the other end caught in the side seam opposite the thumb. A 3/4" rectangular keeper shall be attached into a cut and stitched slot below the thumb with a 1" loop of leather. A stud buckle with a 3/4" slot shall be threaded on to the strap, the round end run up through the keeper and a female 24 line brown socket attached 1/2" from the rounded end. When closed the snap shall finish to the outside. All glove stitching shall be type 301. All seams shall be type SSa 1, 1/8" gauge with seams to the outside except for the dart seams which shall be type LSa 1. No decorative stitching.

***** **Wool Lining:** The wool glove liner shall be one piece rib knit construction. The glove body shall be a fine rib knit and the cuff shall be a wide rib knit. The cut end shall be serged, folded down to the inside 3 1/2" to form the cuff.

Sizes and Measurements

I-* **Finished Dimensions:** The overall glove length shall be 10 1/2" long from the tip of the middle finger to the edge of cuff. The glove shall be 4 5/8" wide when spread out and measured 1/2" above the base of the little finger. The wool liner shall be 12 1/4" long and 4 1/2" wide.

II-* **Finished Dimensions:** The overall glove length shall be 9 3/4" long from the tip of the middle finger to the edge of cuff. The glove shall be 4" wide when spread out and measured 1/2" above the base of the little finger.

I-* **Sizes:** S, M, L, XL

II-* **Sizes:** S, M, L

ATTACHMENT B

N299 Cap, Green Gore-Tex Nylon, Winter with Flaps

Specifications are identical for the following other components:

F258 Cap, Brown Gore-Tex Nylon, Winter with Flaps

Sample Size: Large

GENERAL DESCRIPTION

The hat shall be "bomber style" with a four-piece oval crown and earflaps with hook and loop closures at the ends to fasten under the chin.

CLASSIFICATION		FWS Spec #
*	All Caps	*
A	FWS Cap	F258
		NPS Spec #
*	All Caps	*
B	NPS Cap	N299

SALIENT CHARACTERISTICS

Components

Type- Class

- A, B **Basic Material:** The outershell shall be of FWS brown Taslan nylon bonded to Gore-Tex film. The lining shall be acrylic borg pile and Cordura 5000 in the sweatband. The visor shall be face fabric nylon on top, Cordura 5000 on the underside, with Pellon 954 as an interlining.
- B **Basic Material:** The outershell shall be Forest Green Taslan nylon bonded to Gore-Tex film. The lining shall be acrylic borg pile and Cordura 5000 in the sweatband. The visor shall be face fabric nylon on top, Cordura 5000 on the underside, with Pellon 954 as an interlining.
- A **Style:** The hat shall be "bomber style" with a four-piece oval crown 7" in height, a visor 2 ½" wide at center front, and earflaps with hook and loop closures at the ends to fasten under the chin. The cordura sweatband shall enclose a 3/32" bunge cord which shall extend through a brass grommet at the rear of the hat and attach to a "bowlock" fastener to assure a snug fit.
- B **Style:** The hat shall be "bomber style" with a four-piece oval crown 7" in height, a visor 2 ½" wide at center front, and earflaps with hook and loop closures at the ends to fasten under the chin.
- * **Sewing:** All outside pieces to be sewn using single needle lockstitch with 3/8" finished seam, except the visor, which shall have a ¼" finished seam joining the outer fabric with Pellon and Cordura and a topstitch 1/16" from edge. Velcro on earflaps shall be topstitched with a single needle lockstitch 1/16" from the edge. All thread color must match fabric.
- B **Emblem:** An emblem shall be centered on the front panel approximately 1 inch above the visor.
- * **Sizes:** S, M, L, XL

ATTACHMENT B

N301 Hat, Straw, Summer

Specifications are identical for the following other components:

N259 Hat, Tan Felt, Winter

C298 Hat, Tan Felt, Winter

C300 Hat, Straw, Summer

Sample Size: All dimensions are based on C298, 300 - 7 1/8 LO; N259, N301 -7 1/2 R

GENERAL DESCRIPTION

Montana Peak, four-dent, traditional National Park Service style. Straw hats are Stratton #44 DB, 5 to 5 1/2 M.M. Felt hat is Stratton #44 winter dress hat.

TYPE ITEMS: *--All Hats Type I—Male Type II—Female

CLASSIFICATION NPS # (M/F) COE # (M/F)

*	All Hats	*	*
A	Straw Hats	N301	C300
B	Felt Hats	N259	C298

SALIENT CHARACTERISTICS

Components

- *-A **Basic Material:** The material shall be bedford hemp braid, tight weave and vented Milar braid Belugum belly tan..
- *-B **Basic Material:** The material shall be nutria quality Belgium Belly Tan Felt. Felt dye shall show a minimum of discoloration in 100 hours Fade-O-Meter Test.
- * **Crown:** Crown shall be Montana Peak with 3 or 4 crown vents on each side, pyramid configuration.
- *-B **Side:** One brim eyelet on each side for chin strap. Three side vent holes.
- *-A **Brim:** Double brim and brim width shall be 3 1/8" wide standard.
- *-B **Brim:** Brim width shall be 3 1/8" wide standard.
- * **Sweatband:** Sweat band shall be leather, sweat/oil silk shield. Plastic film behind sweatband.
- * **Chinstrap:** One brim eyelet on each side for chin strap.
- * **Label:** See general references and requirements sheet.

General Instructions

Sizes and Measurements

- * **Sizes:** Regular Oval: 6 3/8 - 7 7/8, in 1/8" increments
 Long Oval: 6 1/2 - 7 7/8, in 1/8" increments
 Extra Long Oval: 6 1/2 - 7 7/8, in 1/8" increments

ATTACHMENT B

N307 Hood, Male, Green Gore-Tex, Insulated, Overshell

Specifications are identical for the following other components:

F305 Hood, Male, Brown Gore-Tex, Overshell
F306 Hood, Male, Brown Nylon, Insulated, Nylon Parka
C308 Hood, Male, Green Gore-Tex, Overshell
N309 Hood, Male, Green Gore-Tex, Overshell
C310 Hood, Male, Green Nylon, Insulated, Nylon Parka

Sample Size: Male-L

GENERAL DESCRIPTION

The hood shall be detachable two piece construction with drawstring and snap front closures. The hood attaches to the shell with four snaps.

TYPE ITEMS: * - All Hoods *-A – Uninsulated *-B,C-Insulated

CLASSIFICATION	COE #	FWS #	NPS # (M/F)
* All Hoods	*	*	*
A Gore-tex, Uninsulated	C308	F305	N309
B Gore-tex, Insulated			N307
C Nylon, Insulated	C310	F306	

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The basic material shall be outshell fabric, lining fabric, drawcord, cord locks and snaps shall be the same as those cited for use in the parka.
- *-A **Style:** The hood shall be non-insulated, detachable two piece construction with drawstring and snap front closures. The hood attaches to the shell with four snaps.
- *-B.C **Style:** The hood shall be insulated, detachable, two piece construction with drawstring and snap front closures. The hood attaches to the shell with four snaps.
- *- A **Construction:** The hood shall be constructed from three pieces of outer shell fabric and three pieces of lining fabric. The two main shell pieces and lining pieces shall be sewn together with a full fell seam, 1/4" gauge. The smaller outer shell fabric piece shall be stitched, turned, and topstitched 1/8" to the front edge of the outer shell to form a visor. The visor shall be 1" wide at sides and 2 1/4" wide at center front. The visor shall be interlined with a suitable non-woven fabric. The back edge of the visor shall be turned up and topstitched 1/8" to the hood with the front edge of the lining and both edges of a drawstring tunnel caught in between outer shell layers. The hood shall be 27" long along the face opening and 24 3/4" long on the bottom edge with 4 3/4" wide front extensions. The extension ends 5 inches past the facial plane of the hood. The left and right front extensions shall be formed by folding the outer shell fabric back to the inside 2" with the raw edge turned under and edge stitched 1/8" gauge. A female snap shall be located in each corner of the left extension 1/2" from each edge. A male snap shall be located 1/2" below the top right extension edge and another 1/2" above the bottom extension edge. The male snaps shall be 1 1/2" in from the right front edge. The bottom edge of hood and hood lining shall be joined by stitching, turning, and edge stitching 1/8" gauge. Four female snaps shall be 1" from the bottom edge in locations corresponding to male snap locations on the same size shell.

ATTACHMENT B

- *-B,C Construction:** The hood shall be constructed from three pieces of outer shell fabric and three pieces of lining fabric. The hood insulation shall be 200 gram batting and shall be stitched to the lining fabric. The two main shell pieces and lining pieces shall be sewn together with a full fell seam, 1/4 inch gauge. The smaller outer shell fabric piece shall be stitched, turned, and topstitched 1/8 inch gauge to the front edge of the outer shell to form a visor. The visor shall be 1 inch wide at sides and 2-1/4 inches wide at center front. The visor shall be interlined with a suitable nonwoven fabric. The back edge of the visor shall be turned up and topstitched 1/8 inch gauge to the hood with the front edge of the lining and both edges of a drawstring tunnel caught in between outer shell layers. The hood shall be 27-1/2 inches long along the face opening and 26-1/2 inches long on the bottom edge with 5 inches wide front extensions. The extension end 5 inches past the facial plane of the hood. The left and right front extensions shall be formed by folding the outer shell fabric back to the inside 2 inches with the raw edge turned under and edge stitched 1/8 inch gauge. A female snap shall be located in each corner of the left extension 1/2 inch from each edge. A male snap shall be located 1/2 inch below the top right extension edge and another 1/2 inch above the bottom extension edge. The male snaps shall be 1-1/2 inches in from the right front edge. The bottom edge of hood and hood lining shall be joined by stitching, turning, and edge stitching 1/8 inch gauge. Four female snaps shall be 1 inch from the bottom edge in locations corresponding to male snap locations on the same size parka.
- * Drawstring:** A drawstring tunnel shall be constructed from lining fabric. The tunnel shall be 1-1/2" wide at center front and 3/4" wide at front ends. The tunnel shall start 3" back from the right front extension, follow along the hood opening and end 3" back of the left front extension. The raw edges of the tunnel fabric shall be caught in the seam joining the back edge of the visor lining to the outer shell of the hood. Black painted brass eyelets shall be 3/16" diameter and shall be located through the hood extension at the end of each tunnel opening. A 1/8" diameter black nylon covered elastic cord shall run through the eyelets and tunnel. The drawcord shall be centered and sewn down to the rear center of the drawcord tunnel. Each drawcord end shall have a cord lock attached and a knot 1" from each end. The drawcord shall extend a minimum 2" past each eyelet when in a relaxed state.
- * Back Panel:** A 5/8" wide piece of hook tape 2" long shall be sewn horizontally to the top of the outershell back panel. The tape shall be centered with upper corners within 1/2" of the fell seam. A second piece of 5/8" by 2" long pile tape shall be sewn horizontally 1 1/2" below the lower edge of the hook tape.
- * Labels:** See references and requirements section. For insulated hoods add a woven Thinsulate care label in addition to flat care label inserted into the lining seam inside the hood.
- * Sizes:** S, M, L and XL, and XXL.

ATTACHMENT B

N309 Hood, Male, Green Gore-Tex, Overshell

Specifications are identical for the following other components:

F305 Hood, Male, Brown Gore-Tex, Overshell

F306 Hood, Male, Brown Nylon, Insulated, Nylon Parka

N307 Hood, Male, Green Gore-Tex, Insulated, Overshell

C308 Hood, Male, Green Gore-Tex, Overshell

C310 Hood, Male, Green Nylon, Insulated, Nylon Parka

Sample Size: Male-L

GENERAL DESCRIPTION

The hood shall be detachable two piece construction with drawstring and snap front closures. The hood attaches to the shell with four snaps.

TYPE ITEMS: * - All Hoods *-A – Uninsulated *-B,C-Insulated

CLASSIFICATION		COE #	FWS #	NPS # (M/F)
*	All Hoods	*	*	*
A	Goretex, Uninsulated	C308	F305	N309
B	Goretex, Insulated			N307
C	Nylon, Insulated	C310	F306	

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The basic material shall be outshell fabric, lining fabric, drawcord, cord locks and snaps shall be the same as those cited for use in the parka.
- *-A **Style:** The hood shall be non-insulated, detachable two piece construction with drawstring and snap front closures. The hood attaches to the shell with four snaps.
- *-B.C **Style:** The hood shall be insulated, detachable, two piece construction with drawstring and snap front closures. The hood attaches to the shell with four snaps.
- *- A **Construction:** The hood shall be constructed from three pieces of outer shell fabric and three pieces of lining fabric. The two main shell pieces and lining pieces shall be sewn together with a full fell seam, 1/4" gauge. The smaller outer shell fabric piece shall be stitched, turned, and topstitched 1/8" to the front edge of the outer shell to form a visor. The visor shall be 1" wide at sides and 2 1/4" wide at center front. The visor shall be interlined with a suitable non-woven fabric. The back edge of the visor shall be turned up and topstitched 1/8" to the hood with the front edge of the lining and both edges of a drawstring tunnel caught in between outer shell layers. The hood shall be 27" long along the face opening and 24 3/4" long on the bottom edge with 4 3/4" wide front extensions. The extension ends 5 inches past the facial plane of the hood. The left and right front extensions shall be formed by folding the outer shell fabric back to the inside 2" with the raw edge turned under and edge stitched 1/8" gauge. A female snap shall be located in each corner of the left extension 1/2" from each edge. A male snap shall be located 1/2" below the top right extension edge and another 1/2" above the bottom extension edge. The male snaps shall be 1 1/2" in from the right front edge. The bottom edge of hood and hood lining shall be joined by stitching, turning, and edge stitching 1/8" gauge. Four female snaps shall be 1" from the bottom edge in locations corresponding to male snap locations on the same size shell.

ATTACHMENT B

- *-B,C Construction:** The hood shall be constructed from three pieces of outer shell fabric and three pieces of lining fabric. The hood insulation shall be 200 gram batting and shall be stitched to the lining fabric. The two main shell pieces and lining pieces shall be sewn together with a full fell seam, 1/4 inch gauge. The smaller outer shell fabric piece shall be stitched, turned, and topstitched 1/8 inch gauge to the front edge of the outer shell to form a visor. The visor shall be 1 inch wide at sides and 2-1/4 inches wide at center front. The visor shall be interlined with a suitable nonwoven fabric. The back edge of the visor shall be turned up and topstitched 1/8 inch gauge to the hood with the front edge of the lining and both edges of a drawstring tunnel caught in between outer shell layers. The hood shall be 27-1/2 inches long along the face opening and 26-1/2 inches long on the bottom edge with 5 inches wide front extensions. The extension end 5 inches past the facial plane of the hood. The left and right front extensions shall be formed by folding the outer shell fabric back to the inside 2 inches with the raw edge turned under and edge stitched 1/8 inch gauge. A female snap shall be located in each corner of the left extension 1/2 inch from each edge. A male snap shall be located 1/2 inch below the top right extension edge and another 1/2 inch above the bottom extension edge. The male snaps shall be 1-1/2 inches in from the right front edge. The bottom edge of hood and hood lining shall be joined by stitching, turning, and edge stitching 1/8 inch gauge. Four female snaps shall be 1 inch from the bottom edge in locations corresponding to male snap locations on the same size parka.
- * Drawstring:** A drawstring tunnel shall be constructed from lining fabric. The tunnel shall be 1-1/2" wide at center front and 3/4" wide at front ends. The tunnel shall start 3" back from the right front extension, follow along the hood opening and end 3" back of the left front extension. The raw edges of the tunnel fabric shall be caught in the seam joining the back edge of the visor lining to the outer shell of the hood. Black painted brass eyelets shall be 3/16" diameter and shall be located through the hood extension at the end of each tunnel opening. A 1/8" diameter black nylon covered elastic cord shall run through the eyelets and tunnel. The drawcord shall be centered and sewn down to the rear center of the drawcord tunnel. Each drawcord end shall have a cord lock attached and a knot 1" from each end. The drawcord shall extend a minimum 2" past each eyelet when in a relaxed state.
- * Back Panel:** A 5/8" wide piece of hook tape 2" long shall be sewn horizontally to the top of the outershell back panel. The tape shall be centered with upper corners within 1/2" of the fell seam. A second piece of 5/8" by 2" long pile tape shall be sewn horizontally 1 1/2" below the lower edge of the hook tape.
- * Labels:** See references and requirements section. For insulated hoods add a woven Thinsulate care label in addition to flat care label inserted into the lining seam inside the hood.
- * Sizes:** S, M, L and XL, and XXL.

ATTACHMENT B

N313 Hood, Female, Green Gore-Tex, Insulated, Overshell

Specifications are identical for the following other components:

F311 Hood, Female, Brown Gore-Tex, Overshell

F312 Hood, Female, Brown Nylon, Insulated, Nylon Parka

C314 Hood, Female, Green Gore-Tex, Overshell

N315 Hood, Female, Green Gore-Tex, Overshell

C316 Hood, Female, Green Nylon, Insulated, Nylon Parka

Sample Size: Female-M

GENERAL DESCRIPTION

The hood shall be detachable two piece construction with drawstring and snap front closures. The hood attaches to the shell with four snaps.

TYPE ITEMS: * - All Hoods *-A – Uninsulated *-B,C-Insulated

CLASSIFICATION		COE #	FWS #	NPS #
*	All Hoods	*	*	*
A	Gore-tex, Uninsulated	C314	F311	N315
B	Gore-tex, Insulated			N313
C	Nylon, Insulated	C316	F312	

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The basic material shall be outshell fabric, lining fabric, drawcord, cord locks and snaps shall be the same as those cited for use in the parka.
- *-A **Style:** The hood shall be non-insulated, detachable two piece construction with drawstring and snap front closures. The hood attaches to the shell with four snaps.
- *-B,C **Style:** The insulated hood shall be detachable, two piece construction with drawstring and snap front closures. The hood attaches to the shell with four snaps.

ATTACHMENT B

- *-A Construction:** The hood shall be constructed from three pieces of outer shell fabric and three pieces of lining fabric. The two main shell pieces and lining pieces shall be sewn together with a full fell seam, 1/4" gauge. The smaller outer shell fabric piece shall be stitched, turned, and topstitched 1/8" gauge to the front edge of the outer shell to form a visor. The visor shall be 1" wide at sides and 2" wide at center front. The visor shall be interlined with a suitable non-woven fabric. The back edge of the visor shall be turned up and topstitched 1/8" gauge to the hood with the front edge of the lining and both edges of a drawstring tunnel caught in between outer shell layers. The hood shall be 26 1/2" long along the face opening and 23 1/2" long on the bottom edge with 4 3/4" wide front extensions. The extension ends 4 inches past the facial plane of the hood. The left and right front extensions shall be formed by folding the outer shell fabric back to the inside 2" with the raw edge turned under and edge stitched 1/8" gauge. A female snap shall be located in each corner of the right extension 1/2" from each edge. A male snap shall be located 1/2" below the top left extension edge and another 1/2" above the bottom extension edge. The male snaps shall be 1 1/2" in from the left front edge. The bottom edge of hood and hood lining shall be joined by stitching, turning, and edge stitching 1/8" gauge. Four female snaps shall be 1" from the bottom edge in locations corresponding to male snap locations on the same size parka.
- *-B,C Construction:** The hood shall be constructed from three pieces of outer shell fabric and three pieces of lining fabric. The hood insulation shall be 200 gram batting and shall be stitched to the lining fabric. The two main shell pieces and lining pieces shall be sewn together with a full fell seam, 1/4 inch gauge. The smaller outer shell fabric piece shall be stitched, turned, and topstitched 1/8 inch gauge to the front edge of the outer shell to form a visor. The visor shall be 1 inch wide at sides and 2-1/4 inches wide at center front. The visor shall be interlined with a suitable non-woven fabric. The back-edge of the visor shall be turned up and topstitched 1/8 inch gauge to the hood with the front edge of the lining and both edges of a drawstring tunnel caught in between outer shell layers. The hood shall be 27 inches long along the face opening and 23 inches long on the bottom edge with 4 3/4" inches wide front extensions. The extension ends 5 inches past the facial plane of the hood. The left and right front extensions shall be formed by folding the outer shell fabric back to the inside 2 inches with the raw edge turned under and edge stitched 1/16 inch gauge. A female snap shall be located in each corner of the right extension 1/2 inch from each edge. A male snap shall be located 1/2 inch below the top left extension edge and another 1/2 inch above the bottom extension edge. The male snaps shall be 1 1/2" in from the right front edge. The bottom edge of hood and hood lining shall be joined by stitching, turning, and edge stitching 1/8 inch gauge. Four female snaps shall be 1 inch from the bottom edge in locations corresponding to male snap locations on the same size parka.
- * Drawstring:** A drawstring tunnel shall be constructed from lining fabric. The tunnel shall be 1-1/2" wide at center front and 3/4" wide at front ends. The tunnel shall start 3" back from the right front extension, follow along the hood opening and end 3" back of the left front extension. The raw edges of the tunnel fabric shall be caught in the seam joining the back edge of the visor lining to the outer shell of the hood. Black painted brass eyelets shall be 3/16" diameter and shall be located through the hood extension at the end of each tunnel opening. A 1/8" diameter black nylon covered elastic cord shall run through the eyelets and tunnel. The drawcord shall be centered and sewn down to the rear center of the drawcord tunnel. Each drawcord end shall have a cord lock attached and a knot 1" from each end. The drawcord shall extend a minimum 2" past each eyelet when in a relaxed state.
- * Back Panel:** A 5/8" wide piece of hook tape 2" long shall be sewn horizontally to the top of the outershell back panel. The tape shall be centered with upper corners within 1/2" of the fell seam. A second piece of 5/8" by 2" long pile tape shall be sewn horizontally 1 1/2" below the lower edge of the hook tape.
- * Labels:** See references and requirements section.
- * Sizes:** XS, S, M, L and XL.

ATTACHMENT B

N315 Hood, Female, Green Gore-Tex, Overshell

Specifications are identical for the following other components:

F311 Hood, Female, Brown Gore-Tex, Overshell
F312 Hood, Female, Brown Nylon, Insulated, Nylon Parka
N313 Hood, Female, Green Gore-Tex, Insulated, Overshell
C314 Hood, Female, Green Gore-Tex, Overshell
C316 Hood, Female, Green Nylon, Insulated, Nylon Parka

Sample Size: Female-M

GENERAL DESCRIPTION

The hood shall be detachable two piece construction with drawstring and snap front closures. The hood attaches to the shell with four snaps.

TYPE ITEMS: * - All Hoods *-A – Uninsulated *-B,C-Insulated

CLASSIFICATION	COE #	FWS #	NPS #
* All Hoods	*	*	*
A Gore-tex, Uninsulated	C314	F311	N315
B Gore-tex, Insulated			N313
C Nylon, Insulated	C316	F312	

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The basic material shall be outshell fabric, lining fabric, drawcord, cord locks and snaps shall be the same as those cited for use in the parka.
- *-A **Style:** The hood shall be non-insulated, detachable two piece construction with drawstring and snap front closures. The hood attaches to the shell with four snaps.
- *-B.C **Style:** The insulated hood shall be detachable, two piece construction with drawstring and snap front closures. The hood attaches to the shell with four snaps.
- *-A **Construction:** The hood shall be constructed from three pieces of outer shell fabric and three pieces of lining fabric. The two main shell pieces and lining pieces shall be sewn together with a full fell seam, 1/4" gauge. The smaller outer shell fabric piece shall be stitched, turned, and topstitched 1/8" gauge to the front edge of the outer shell to form a visor. The visor shall be 1" wide at sides and 2" wide at center front. The visor shall be interlined with a suitable non-woven fabric. The back edge of the visor shall be turned up and topstitched 1/8" gauge to the hood with the front edge of the lining and both edges of a drawstring tunnel caught in between outer shell layers. The hood shall be 26 1/2" long along the face opening and 23 1/2" long on the bottom edge with 4 3/4" wide front extensions. The extension ends 4 inches past the facial plane of the hood. The left and right front extensions shall be formed by folding the outer shell fabric back to the inside 2" with the raw edge turned under and edge stitched 1/8" gauge. A female snap shall be located in each corner of the right extension 1/2" from each edge. A male snap shall be located 1/2" below the top left extension edge and another 1/2" above the bottom extension edge. The male snaps shall be 1 1/2" in from the left front edge. The bottom edge of hood and hood lining shall be joined by stitching, turning, and edge stitching 1/8" gauge. Four female snaps shall be 1" from the bottom edge in locations corresponding to male snap locations on the same size parka.

ATTACHMENT B

- *-B,C **Construction:** The hood shall be constructed from three pieces of outer shell fabric and three pieces of lining fabric. The hood insulation shall be 200 gram batting and shall be stitched to the lining fabric. The two main shell pieces and lining pieces shall be sewn together with a full fell seam, 1/4 inch gauge. The smaller outer shell fabric piece shall be stitched, turned, and topstitched 1/8 inch gauge to the front edge of the outer shell to form a visor. The visor shall be 1 inch wide at sides and 2-1/4 inches wide at center front. The visor shall be interlined with a suitable non-woven fabric. The back-edge of the visor shall be turned up and topstitched 1/8 inch gauge to the hood with the front edge of the lining and both edges of a drawstring tunnel caught in between outer shell layers. The hood shall be 27 inches long along the face opening and 23 inches long on the bottom edge with 4 3/4 inches wide front extensions. The extension ends 5 inches past the facial plane of the hood. The left and right front extensions shall be formed by folding the outer shell fabric back to the inside 2 inches with the raw edge turned under and edge stitched 1/16 inch gauge. A female snap shall be located in each corner of the right extension 1/2 inch from each edge. A male snap shall be located 1/2 inch below the top left extension edge and another 1/2 inch above the bottom extension edge. The male snaps shall be 1 1/2 inches from the right front edge. The bottom edge of hood and hood lining shall be joined by stitching, turning, and edge stitching 1/8 inch gauge. Four female snaps shall be 1 inch from the bottom edge in locations corresponding to male snap locations on the same size parka.
- * **Drawstring:** A drawstring tunnel shall be constructed from lining fabric. The tunnel shall be 1-1/2" wide at center front and 3/4" wide at front ends. The tunnel shall start 3" back from the right front extension, follow along the hood opening and end 3" back of the left front extension. The raw edges of the tunnel fabric shall be caught in the seam joining the back edge of the visor lining to the outer shell of the hood. Black painted brass eyelets shall be 3/16" diameter and shall be located through the hood extension at the end of each tunnel opening. A 1/8" diameter black nylon covered elastic cord shall run through the eyelets and tunnel. The drawcord shall be centered and sewn down to the rear center of the drawcord tunnel. Each drawcord end shall have a cord lock attached and a knot 1" from each end. The drawcord shall extend a minimum 2" past each eyelet when in a relaxed state.
- * **Back Panel:** A 5/8" wide piece of hook tape 2" long shall be sewn horizontally to the top of the outershell back panel. The tape shall be centered with upper corners within 1/2" of the fell seam. A second piece of 5/8" by 2" long pile tape shall be sewn horizontally 1 1/2" below the lower edge of the hook tape.
- * **Labels:** See references and requirements section. For insulated hoods add a woven Thinsulate care label in addition to flat care label inserted into the lining seam inside the hood.
- * **Sizes:** XS, S, M, L and XL.

ATTACHMENT B

N317 Innersoles, Boots Male's, Rocky Support

Specifications are identical for the following other component:

N318 Innersoles, Boots, Female's, Rocky Support

Sample Size: N/A

GENERAL DESCRIPTION

Williams Brook Shoe Co., Model #'s M-7008, F-7009 or equivalent.

TYPE ITEMS: Type I—Male Type II—Female

CLASSIFICATION

* **All Innersoles**

SALIENT CHARACTERISTICS

Components

Type-Class

* **Upper Material:** Cambrelle

* **Ortho Features:** Heel cup, arch, and metatarsal supports.

Sizes and Measurements

I-* Male: 7-14 whole sizes only

II-* Female: 5-10 whole sizes only

ATTACHMENT B

N318 Innersoles, Boots Female's, Rocky Support

Specifications are identical for the following other component:

N317 Innersoles, Boots Male's, Rocky Support

Sample Size: N/A

GENERAL DESCRIPTION

Williams Brook Shoe Co., Model #'s M-7008, F-7009 or equivalent.

TYPE ITEMS: Type I—Male Type II—Female

CLASSIFICATION

* **All Innersoles** *

SALIENT CHARACTERISTICS

Components

Type-Class

* **Upper Material:** Cambrelle

* **Ortho Features:** Heel cup, arch, and metatarsal supports.

Sizes and Measurements

I-* Male: 7-14 whole sizes only

II-* Female: 5-10 whole sizes only

ATTACHMENT B

N322 Jacket, Unisex, Green 3 Oz, Nylon Poplin, Windbreaker with Badge Tab

Specifications are identical for the following other components:

F320 Jacket, Unisex, Brown 3 Oz. Nylon Poplin, Windbreaker

N323 Jacket, Unisex, Green 3 Oz. Nylon Poplin, Windbreaker without Badge Tab

Sample Size: All dimensions based on Male size MR and Female size MR

GENERAL DESCRIPTION

The windbreaker shall have a zipper front closure from neck to hemline, 2 zipper closed front pockets, one piece sleeves with elastic bottoms, plain back, permanent collar. Drawstring at jacket bottom on FWS product only.

TYPE ITEMS

* --All Jackets Type I—Male Type II—Female

CLASSIFICATION NPS # (M/F) FWS # (M/F)

*	All Jackets	*	*
A			F320
B		N322	
C		N323	

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A **Basic Material:** The material shall be Arthur Kahn Techtique of 100% Tactel nylon, 3 to 3.25-ounces per square yard, Poplin weave, Everdry finish for stormproof protection. Dark Brown.
- *-B,C **Basic Material:** The material shall be Arthur Kahn Techtique of 100% Tactel nylon, 3 to 3.25-ounces per square yard, Poplin weave, Everdry finish for stormproof protection. NPS Forest Green.
- * **Zipper:** Nylon Zipper from hemline to neckline shall be used. Two 6 ½" openings shall be closed with nylon zippers on the front pockets.
- * **Labels:** See general reference and requirements sheet.

General Instructions

Detail Design Characteristics

- * **Collar:** Self-goods, convertible style, interlined with a non-fusible interlining, collar points 3", collar width at center back 3 ¼".
- *-A **Front:** The front shall be closed with an exposed nylon zipper. It shall zip to the neck. The bottom of the zipper shall be no more than 2" from the bottom of the windbreaker. Each edge must be topstitched and interlined. The edges shall be bound with brown nylon.
- *-B,C **Front:** The front shall be closed with an exposed nylon zipper. It shall zip to the neck. The bottom of the zipper shall be no more than 2" from the bottom of the windbreaker. Each edge must be topstitched and interlined. The edges shall be bound with Forest Green self-goods.

ATTACHMENT B

- * **Pockets:** There shall be one slash pocket on each jacket front, left and right, with an 6 ½” slash, 5 ½” opening closed with a nylon zipper allowing for a hand opening of approximately 5 ½” between zipper stops. The pocket opening shall be topstitched on all four sides using a 1/16” method. The pockets shall be 5 ½” wide and 5 ¼” deep at the center.
- * **Back:** The back shall be plain and one piece.
- * **Sleeves:** Sleeves shall be one piece. The sleeve bottoms shall have a 1” Polyester elastic sewn in, turned, and topstitched ¾”.
- *-A **Bottom:** The bottom of the windbreaker shall have a 7/8” wide hem, turned to the inside and topstitched to form a tunnel for a black braided drawstring, knotted on the ends.
- *-B,C **Bottom:** The bottom of the windbreaker shall have a 7/8” wide hem, turned to the inside and topstitched.
- *-B,C **Badge Reinforcement:** The badge tab shall be made of the outer fabric, 1” wide with 2 metal eyelets spaced vertically apart. It shall be located on the left breast approximately 8 ½” down from the shoulder seam and approximately 5” in from the front jacket edge. The name tab shall be constructed of the outer fabric and shall finish 5/8” tall and 2 ½” wide. It shall be located and sewn on the right jacket front 4” from the front edge and 8 ¼” on the center from the shoulder seam. All edges of the tab shall be folded under and topstitched. The tab shall be stitched to the jacket on all four sides.
- *-A **Patch:** A U. S. Fish & Wildlife shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 1 ½” below the shoulder seam. The patch shall be to be sewn using inconspicuous stitching using brown thread closely matching the emblem background border color.
- *-B,C **Patch:** An arrowhead patch shall be sewn securely in the center of the left sleeve with the top edge 1 ¾” to 2” below the shoulder seam depending on the garment size. The patch shall be sewn with inconspicuous stitching using brown thread closely matching the emblem background color.

Sizes and Measurements

Finished Dimensions

Sizes	Short:	XXS-L
	Regular:	XXS-XXXL
	Long:	S-XXL
	Xlong:	M-XXL

ATTACHMENT B

N323 Jacket, Unisex, Green 3 Oz, Nylon Poplin, Windbreaker without Badge Tab

Specifications are identical for the following other components:

F320 Jacket, Unisex, Brown 3 Oz. Nylon Poplin, Windbreaker

N322 Jacket, Unisex, Green 3 Oz. Nylon Poplin, Windbreaker with Badge Tab

Sample Size: All dimensions based on Male size MR and Female size MR

GENERAL DESCRIPTION

The windbreaker shall have a zipper front closure from neck to hemline, 2 zipper closed front pockets, one piece sleeves with elastic bottoms, plain back, permanent collar. Drawstring at jacket bottom on FWS product only.

TYPE ITEMS

* --All Jackets Type I—Male Type II—Female

CLASSIFICATION NPS # (M/F) FWS # (M/F)

*	All Jackets	*	*
A			F320
B	N322		
C	N323		

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A **Basic Material:** The material shall be Arthur Kahn Techtique of 100% Tactel nylon, 3 to 3.25-ounces per square yard, Poplin weave, Everdry finish for stormproof protection. Dark Brown.
- *-B,C **Basic Material:** The material shall be Arthur Kahn Techtique of 100% Tactel nylon, 3 to 3.25-ounces per square yard, Poplin weave, Everdry finish for stormproof protection. NPS Forest Green.
- * **Zipper:** Nylon Zipper from hemline to neckline shall be used. Two 6 ½" openings shall be closed with nylon zippers on the front pockets.
- * **Labels:** See general reference and requirements sheet.

General Instructions

Detail Design Characteristics

- * **Collar:** Self-goods, convertible style, interlined with a non-fusible interlining, collar points 3", collar width at center back 3 ¼".
- *-A **Front:** The front shall be closed with an exposed nylon zipper. It shall zip to the neck. The bottom of the zipper shall be no more than 2" from the bottom of the windbreaker. Each edge must be topstitched and interlined. The edges shall be bound with brown nylon.
- *-B,C **Front:** The front shall be closed with an exposed nylon zipper. It shall zip to the neck. The bottom of the zipper shall be no more than 2" from the bottom of the windbreaker. Each edge must be topstitched and interlined. The edges shall be bound with Forest Green self-goods.

ATTACHMENT B

- * **Pockets:** There shall be one slash pocket on each jacket front, left and right, with an 6 ½” slash, 5 ½” opening closed with a nylon zipper allowing for a hand opening of approximately 5 ½” between zipper stops. The pocket opening shall be topstitched on all four sides using a 1/16” method. The pockets shall be 5 ½” wide and 5 ¼” deep at the center.
- * **Back:** The back shall be plain and one piece.
- * **Sleeves:** Sleeves shall be one piece. The sleeve bottoms shall have a 1” Polyester elastic sewn in, turned, and topstitched ¾”.
- *-A **Bottom:** The bottom of the windbreaker shall have a 7/8” wide hem, turned to the inside and topstitched to form a tunnel for a black braided drawstring, knotted on the ends.
- *-B,C **Bottom:** The bottom of the windbreaker shall have a 7/8” wide hem, turned to the inside and topstitched.
- *-B,C **Badge Reinforcement:** The badge tab shall be made of the outer fabric, 1” wide with 2 metal eyelets spaced vertically apart. It shall be located on the left breast approximately 8 ½” down from the shoulder seam and approximately 5” in from the front jacket edge. The name tab shall be constructed of the outer fabric and shall finish 5/8” tall and 2 ½” wide. It shall be located and sewn on the right jacket front 4” from the front edge and 8 ¼” on the center from the shoulder seam. All edges of the tab shall be folded under and topstitched. The tab shall be stitched to the jacket on all four sides.
- *-A **Patch:** A U. S. Fish & Wildlife shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 1 ½” below the shoulder seam. The patch shall be to be sewn using inconspicuous stitching using brown thread closely matching the emblem background border color.
- *-B,C **Patch:** An arrowhead patch shall be sewn securely in the center of the left sleeve with the top edge 1 ¾” to 2” below the shoulder seam depending on the garment size. The patch shall be sewn with inconspicuous stitching using brown thread closely matching the emblem background color.

Sizes and Measurements

Finished Dimensions

Sizes	Short:	XXS-L
	Regular:	XXS-XXXL
	Long:	S-XXL
	Xlong:	ML-XXL

ATTACHMENT B

N324 Jacket, Male, Green Ecospun Fleece

Specifications are identical for the following other components:

F321 Jacket, Unisex, Brown Ecospun Fleece

N331 Jacket, Female, Green Ecospun Fleece

Sample Size: All dimensions are based on Male size L, Female size M and Unisex size L

GENERAL DESCRIPTION

Fleece jacket top with two front, zippered pockets.

TYPE ITEMS: * --Male and Female Type I—Male/Unisex Type II—Female

CLASSIFICATION	NPS # (M/F)	FWS # (M/F)
* All Jackets	*	*
A Unisex Brown		F321
B Green	N324/N331	

SALIENT CHARACTERISTICS

Components

Type-Class

*-A **Basic Material:** The material shall be ecospun fleece made from 100% recycled plastic. Brown.

*-B **Basic Material:** The material shall be ecospun fleece made from 100% recycled plastic. Forest Green.

* **Thread:** All thread shall be minimum size 60/36.

I-A **Zipper:** The front zipper shall be YKK Vislon or equal plastic scoop type, size 5. The zipper shall be 25" long with 5/8" tapes. The zipper shall have a single slider with a long pull-tab.

The front pocket zippers shall be YKK Coil Interlocking teeth, size 5 or equal. The zippers shall be 7" long with 5/8" tapes, single long pull sliders closing pull down.

II-B **Zipper:** The front zipper shall be a YKK Vislon or equal plastic scoop type, size 5. The zipper shall be 23" long with 5/8" tapes. The zipper shall have a single slider with a long pull tab.

The front pocket zippers shall be YKK Coil, size 5 or equal. The zippers shall be 7" long with 5/8" tapes, single long pull sliders closing pull down.

* **Labels:** See general reference and requirements sheet.

General Instructions

* **Stitching:** All joining seams shall be sewn with a mock safety stitch.

ATTACHMENT B

Detail Design Characteristics

- I-A, B Front:** The fronts shall have one way zipper closure from the top of the collar to the bottom edge. The front zipper shall be 25" long. Half chest shall be 26" wide.
- The front raw edges shall be serged to the zipper tape. The slider shall finish on the right front. The bottom ends of the zipper tapes shall be topstitched ¼" gauge.
- II-B Front:** The fronts shall have one way zipper closure from the top of the collar to the bottom edge. The front zipper shall be 23" long. Half chest shall be 22 ½" wide.
- The front raw edges shall be serged to the zipper tape. The slider shall finish on the right front. The bottom ends of the zipper tapes shall be topstitched ¼" gauge.
- * Back:** The back shall be 1 piece raglan style.
- * Collar:** The collar shall be 3 ½" high at the fronts and 3" high at center back. The collar front edges shall align with the jacket fronts. The collar shall be lined with same fabric with neck edge bound and top edge stitched ¼" gauge.
- I-* Pockets:** The front slash zipper pockets shall have 7" openings. The bottom of the opening shall be 2 1/8" from the side seam. The top of the opening shall be 4" from the side seam. The slash opening shall be folded back and stitched to the zipper tapes with 1/8" topstitching. Pocket layers shall consist of one layer of fleece and one layer of nylon.
- II-* Pockets:** The front slash zipper pockets shall have 7" openings. The bottom of the opening shall be 2 ¼" from the side seam. The top of the opening shall be 3 ¾" from the side seam. The slash opening shall be folded back and stitched to the zipper tapes with 1/8" topstitching. Pocket layers shall consist of one layer of fleece and one layer of nylon.
- * Sleeves:** The sleeves shall be one piece, raglan style construction. The bottom of the sleeves shall be finished with a flared knit cuff 3" wide. The sleeves are lined with nylon lining.
- * Bottoms:** The jacket bottom shall be finished with a knit waistband with front tabs 4" long.
- I-B Badge Reinforcement:** Badge and name tabs shall consist of heat set on tape placed on the inside of the jacket. The tape shall be placed so that the top of the badge shall be 4" down from the shoulder seam and the center of the badge shall be 4 ¼" from the front zipper on the left front. The tape shall be placed so that the nametag shall be 4 ½" down from the shoulder seam, and the center of the name tag shall be 4 ¼" from front zipper on right front.
- II-B Badge Reinforcement:** Badge and name tabs shall consist of heat set on tape placed on the inside of the jacket. The tape shall be placed so that the top of the badge shall be 3 ½" down from the shoulder seam and the center of the badge shall be 4 ½" from the front zipper on the left front. The tape shall be placed so that the nametag shall be 5" down from the shoulder seam, and the center of the nametag shall be 3 ¾" from front zipper on right front.
- I-A Patch:** The large U.S. Fish & Wildlife Service patch shall be sewn securely in the center of the left sleeve with the top edge 7 ¼" below the neck seam. The patch shall be sewn with inconspicuous stitching using thread closely matching the emblem background color.
- *-B Patch:** An arrowhead shoulder patch shall be sewn on left sleeve 7 ¼" down from neck seam. The patch shall be sewn with inconspicuous stitching using thread closely matching the emblem background color.

ATTACHMENT B

Sizes and Measurements

I-A Sizes: Short: XS-L
Regular: S-XXXXL
Long: M-XXL

I-B Sizes: Short: XS-L
Regular: S-XXXXL
Long: M-XXXXL

II-B Sizes: Regular: S-XXL

ATTACHMENT B

N325 Jacket, Male, Green 8 Oz. 65/35 P/C Cheotopa IV Twill with Badge Tab

Specifications are identical for the following other components:

N625 Jacket, Male, Green 8 Oz. 65/35 P/C Cheotopa IV Twill without Badge Tab

N332 Jacket, Female, Green 8 Oz. 65/35 P/C Cheotopa IV Twill with Badge Tab

N626 Jacket, Female, Green 8 Oz. 65/35 P/C Cheotopa IV Twill without Badge Tab

Sample Size: Male and Female

GENERAL DESCRIPTION

Permanent press jacket with zipper from bottom of jacket to bottom of collar, two piece convertible collar, with two outside breast pockets with pointed flaps.

TYPE ITEMS: * --All Jackets Type I—Male Type II—Female

CLASSIFICATION	NPS # (M/F)
* All Jackets	*
A With Badge Tab	N325/332
B Without Badge Tab	N625/626

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The material shall be 8 ounce Forest Green 8 Oz. 65/35 P/C Chetopa IV twill.
- * **Thread:** The thread for all sewing operations shall be Rayon covered polyester or 100% spun polyester, dyed to match shade of self material, conforming to ticket number 50-2 or 3 ply and 70-2 or 3 ply of MIL-T-43548. All lockstitch (301) shall use 50 ply, all chainstitch (401) shall use 50 ply for needle and 70 ply, and safety stitching (515 and 516) shall use 50 ply for the looper, overedging (503 and 504) shall use 70 ply, and safety stitching (515 and 516) shall use 50 ply for the needle thread and 70 ply for other threads.
- * **Zipper:** A brass Talon #42 zipper or equal is required. Zipper with brass teeth and slider-ratcheting-auto lock slider. Concealed zipper tape shall be blended polyester/cotton or nylon/cotton.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Cutting:** Fronts, backs, sleeves, pockets and flaps shall be cut lengthwise in goods. Collars and cuffs shall be cut in the filling direction.
- * **Stitching:** All joining seams, including sideseams, shoulder join, sleeve join, and bottom band shall be 12-12 gauge (515 or 516) safety stitched.

ATTACHMENT B

Detail Design Characteristics

- I-*** **Collar:** Collar shall be two-piece convertible style. Collar shall have an interlining compatible with permanent press finish. Collar shall be stitched, topstitched $\frac{1}{4}$ gauge and restitched to garment during attaching operation with 301 stitch type. Collar points shall be 3" long, and collar shall measure $2\frac{3}{4}$ " at center back.
- II-*** **Collar:** Collar shall be two-piece convertible style. Collar shall have an interlining compatible with permanent press finish. Collar shall be stitched, topstitched $\frac{1}{4}$ gauge and restitched to garment during attaching operation with 301 stitch type. Collar points shall be 3" long, and collar shall measure 3" at center back.
- *** **Front:** Closure: Zipper tape shall be sandwiched between front and facing, attached with single needle 30 stitch, color to match self material. There shall be $\frac{3}{8}$ " topstitching along the zipper.
- *** **Inside Zipper Track:** The jacket shall be manufactured with an inside zipper track to accommodate zip-in/out liner with long sleeves.
- I-*** **Facing:** The jackets shall have an approximate 3" inside facing which shall be bound with $\frac{3}{8}$ " acetate or nylon tape. Along the facing edge, the zipper tape shall be attached. The size and teeth of this zipper shall be of such construction as to allow it to be joined with a zip-in/out liner. Facing and zip-in liner shall be joined to zipper tape with 1 row of $\frac{1}{4}$ " gauge 301 stitching.
- II-*** **Facing:** The jackets shall have an approximate 3" inside facing which is to be bound with $\frac{3}{8}$ " acetate or nylon tape. Along the facing edge, the zipper tape shall be attached. The size and teeth of this zipper shall be of such construction as to allow it to be joined with a zip-in/out liner. Facing and zip-in liner shall be joined to zipper tape with 2 rows of $\frac{1}{4}$ " gauge 301 stitching.
- *** **Badge Reinforcement:** Badge tab shall be constructed of self fabric, lined with 2 black metal eyelets 1" apart vertically from center to center and shall be sewn $\frac{1}{2}$ " above left breast pocket flap. Finished tab shall be 2" long and 1" wide.
- I-*** **Pocket Flaps:** Each flap shall have 2 needle, $\frac{1}{4}$ " gauge topstitching. Left flap shall have a pencil division with each side of opening bartacked. Flaps shall have straight side with single point at center. Flaps shall measure $6\frac{3}{8}$ " wide, $1\frac{5}{8}$ " at sides, and $2\frac{1}{2}$ " at center. Flaps shall have buttonholes that are in alignment with buttons. Ends of flaps shall be bartacked. Flaps shall be attached with a 2 needle $\frac{1}{4}$ " gauge.
- II-*** **Pocket Flaps:** Each flap shall have 2 needle, $\frac{1}{4}$ " gauge topstitching. Left flap shall have a pencil division with each side of opening bartacked. Flaps shall have straight side with single point at center. Flaps shall measure $5\frac{1}{2}$ " wide, $1\frac{1}{4}$ " at sides, and 2" at center. Flaps shall have buttonholes that are in alignment with buttons. Ends of flaps shall be bartacked. Flaps shall be attached with a 2 needle $\frac{1}{4}$ " gauge.
- I-*** **Pockets:** Self material, attached with 2 rows, $\frac{1}{4}$ gauge, 301 stitch. Both pockets shall have a 27 ligne melamine button. Pocket size $6\frac{3}{4}$ " wide by $6\frac{1}{2}$ " deep with mitered corners. Ends of pocket openings shall be bartacked.
- II-*** **Pockets:** Self material, attached with 2 rows, $\frac{1}{4}$ gauge, 301 stitch. Both pockets shall have a 27 ligne melamine button. Pocket size $5\frac{1}{2}$ " wide by $5\frac{1}{2}$ " deep with mitered corners. Ends of pocket openings shall be bartacked.

ATTACHMENT B

- * **Sleeves:** One piece, coat style, set in sleeves, safety stitched, without vent.
- * **Cuffs:** One piece design, clip corner, dress style, rectangular appearance, 2 " wide, and attached with 12-12 gauge (515 or 516) safety stitch. After joining cuff, turn seam allowance up and topstitch ¼" above joining seam. Each cuff shall have one buttonhole with two 27 ligne melamine buttons on each cuff.
- * **Bottoms:** Shall finish with 2 ½" band. Jackets to have side knitted band, centered over side seam, 2 ½" high and 4" wide of 93% nylon/7% elastic double knit, 2 x 2 rib cardigan with color to match self material. After joining band to main panels, the seam allowance shall be folded up and caught by topstitching on outside of jacket ¼" above joining seam. The front waistbands shall be topstitched at the bottom and each side.
- * **Patch:** An arrowhead shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 1 ¾" to 2" below the shoulder seam depending on the garment size. The patch shall be sewn with inconspicuous stitching using brown thread closely matching the emblem background color.

Sizes and Measurements

Finished Dimensions

I-* **Sizes:** Regular: S-XXXL
 Long: M-XXXL

II-* **Sizes:** Regular: XS-XXL
 Tall: S-XXL

ATTACHMENT B

N326 Jacket, Male, Green 16 Oz. 55/45 P/W Elastique, Ike Style

Specifications are identical for the following other components:

C327 Jacket, Male, Green 16 Oz. 55/45 P/W Elastique, Ike Style

N333 Jacket, Female, Green 16 Oz. 55/45 P/W Elastique, Ike Style

C334 Jacket, Female, Green 16 Oz. 55/45 P/W Elastique, Ike Style

Sample Size: All dimensions are based on a Male size 48 and a Female size 12

GENERAL DESCRIPTION

Eisenhower jacket with zipper front and one-piece back, rolled collar with notched lapels, two front patch pockets pleated with scalloped flaps, regular coat sleeves, and knit inserts at bottom of each side over hip.

TYPE ITEMS: * --Male and Female Type I—Male Type II—Female

CLASSIFICATION	NPS # (M/F)	COE # (M/F)
* All Jackets	-	-
A NPS	N326/N333	-
B COE		C327/C334

SALIENT CHARACTERISTICS

Components

Type-Class

* **Basic Material:** Material shall be Raeford Style 646-168 or equal. Shade to match Raeford color 168 (Forest Green). Elastique weave, 16 - 16 ½ oz. per linear yard. 55% Polyester/45% Wool.

Fusible Interlinings: N/A.

*-A **Linings:** The coat shall be fully lined. The material for lining fronts, sleeves, pocket, flaps and back shall be Rayon lining, 3.7 ounce, color black, conforming to Class 1 of current issue of Military Specification MIL-C-368.

*-B **Linings:** The coat shall be fully lined. The material for lining fronts, sleeves, pocket, flaps and back shall be rayon lining 3.7 ounces, color green, conforming to Class 1 of current issue of Military Specification MIL-C-368.

* **Thread:** All thread, except #8 cotton gimp for buttonhole reinforcement, shall be cotton-covered polyester conforming to ticket numbers 70-2 ply 50-2 or 3 ply, and 30-2 or 3 ply of MIL-T-43548. Color of all thread shall be dyed to match shade of self-fabric.

*-A **Buttons:** A 24 ligne bronze NPS Waterbury button or equal shall be inserted in each eyelet and fastened on the back side with a ring.

*-B **Buttons:** A 24 ligne gold eagle embossed COE Waterbury lion crest or equal shall be inserted in each eyelet and fastened on the back side with a ring.

* **Zipper:** A Talon # 42 or equal zipper shall extend from bottom of lapel to bottom edge of front. Zipper shall be brass, separating style, with brass slides. Zipper tape shall be a polyester/cotton blend fabric dyed to match basic material. Zipper length shall vary according to body length or jacket.

ATTACHMENT B

- * **Knitted band insert:** Waistband insert shall be 2x2 ply rib ½ cardigan of 93% nylon/ 7% elastic. The shade shall be dyed to match outer fabric. It shall measure 4” wide by 2 7/8” high and shall start at the side seam over the hip to the back.
- I-* **Shoulder Pads:** Style #7, weight 1/2 ounce/pair of pads of 1/4 ounce/pad. Size: Neck to shoulder, 4 ¼”; armhole to armhole as wrapped around shoulder, 9 ¼”. Content: Polyester foam.
- II-* **Shoulder Pads:** Style #7, weight 1/2 ounce/pair of pads of 1/4 ounce/pad. Size: Neck to shoulder, 4”; armhole to armhole as wrapped around shoulder, 8”. Content: Polyester foam.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Cutting:** N/A.
- * **Stitching:** All seaming and stitching of jacket shall use ticket number 30 or 50 except that overedging stitching may use ticket number 70-2 ply.
- * **Button Holes:** A buttonhole shall be centered ½” from center point tip of pocket flap and shall be an uncut eyelet end, square bar type.

Detail Design Characteristics

- I-* **Front:** One piece fronts with a chest patch pocket on each side. Zipper to extend from bottom of lapel to bottom edge of front. Front edges to be topstitched ¼”. Facings shall be of basic material and cut in one piece. Front facing shall extend from neckline seam to bottom and shall be no less than 5” at top, tapering to no less than 3” at the bottom.
- II-* **Front:** One piece fronts with a chest patch pocket on each side. Zipper to extend from bottom of lapel to bottom edge of front. Front edges to be topstitched ¼”. Facings shall be of basic material and cut in one piece. Front facing shall extend from neckline seam to bottom and shall be no less than 5” at top, tapering to no less than 3 1/2” at the bottom.
- II-A,B **Darts:** Shall be formed by cutting a small notch in the top of front panel and sewing it back together. Dart shall begin in the shoulder seam and follow the breast line to approximately the center of the top pocket.
- I-* **Collar:** Collar shall be one piece of basic material, having an interliner of a good quality collar canvas that shall be padded to the felt undercollar. Collar and lapels shall be symmetrical in shape and be uniform in shape and size. Collar shall measure 1 5/8” from roll line at center back and 2” at notch. The lapels shall measure 4” at notch point and taper down to top of zipper. The collar shall cover the neck seams, fit the neck without caving in or sagging over shoulders, and fit the front shoulders neatly without looseness or folds under the collar. Collar and lapels shall be topstitched ¼” from the edge.
- II-* **Collar:** Collar shall be one piece of basic material, having an interliner of a good quality collar canvas that shall be padded to the felt undercollar. Collar and lapels shall be symmetrical in shape and be uniform in shape and size. Collar shall measure 1 5/8” from roll line at center back and 2” at notch. The lapels shall measure 3 ½” at notch point and taper down to top of zipper. The collar shall cover the neck seams, fit the neck without caving in or sagging over shoulders, and fit the front shoulders neatly without looseness or folds under the collar. Collar and lapels shall be topstitched ¼” from the edge.

ATTACHMENT B

- I-*** **Pocket Flaps:** Front pocket flaps shall be constructed from basic material and lined with the 3.7 ounce Rayon lining fabric. Flaps, topstitched 3/16", are to be 3 pointed style 5 3/4" wide, 2 1/4" at side points, and 3" at center points. Top of flap shall be located 1/2" above top of pocket. A male snap component shall be located under each side point and shall be fastened to the lining and not show on the outside of the flap. Snaps shall not be sewn on.
- II-*** **Pocket Flaps:** Front pocket flaps shall be constructed from basic material and lined with the 3.7 ounce Rayon lining fabric. Flaps, topstitched 3/16", are to be 3 pointed style 5 1/2" wide, 2 1/2" at side points and at center points. Top of flap shall be located 1/2" above top of pocket. A male snap component shall be located under each side point and shall be fastened to the lining and not show on the outside flap. Snaps shall not be sewn on.
- I-*** **Pockets:** Two outside breast pleated patch pockets are made of self-material. Box pleat of pocket shall be 1 1/2" wide and sewn down to prevent spreading. Pockets shall be 5 5/8" wide by 6" deep with rounded corners at the bottom. The pocket shall be lined with the 3.7 ounce Rayon lining fabric. Pocket closure shall be by two 3/8" snaps located to correspond with male snaps on flap. Pocket shall be topstitched 3/16" from edge.
- One piped slash pocket shall be located under right front and sewn into the jacket lining. The pocket shall be constructed from the 3.7 ounce Rayon lining fabric and shall finish 5 1/2" wide and 6" deep.
- II-*** **Pockets:** Two outside breast pleated patch pockets of self-material. Box pleat of pocket shall be 1 3/8" wide and sewn down to prevent spreading. Pockets shall be 5 1/4" wide by 6" deep with rounded corners at the bottom. The pocket shall be lined with the 3.7 ounce Rayon lining fabric. Pocket closure shall be by two 3/8" snaps located to correspond with male snaps on flap. Pocket shall be topstitched 3/16" from edge.
- One piped slash pocket shall be located under left front and sewn into the jacket lining. The pocket shall be constructed from the 3.7 ounce Rayon lining fabric and shall finish 5" wide and 5 1/2" deep.
- *** **Sleeves:** The two piece sleeve shall be set and joined with fullness properly distributed over the sleeve head, and shall hang uniformly straight. Cloth sweat shields of basic material shall have edges piped with good quality Rayon binding. Sweat shields shall be stitched down all around. Sleeves shall be hand felled at top half of armhole and machine stitched at bottom half. Sleeves shall be fully lined with the 3.7 ounce Rayon lining fabric with a 1 1/2" minimum turn under at the bottom of the sleeve.
- *-A** **Badge Reinforcement:** Black enameled badge holder, Waterbury No. 9705, or equal, shall be placed above the left pocket flap, centered and sewn on by hand. Base of holder shall be 1/2" above top of pocket flap.
- *-B** **Badge Reinforcement:** Black enameled badge holder, Waterbury No. 9705, or equal, shall be placed above the left pocket flap, centered and sewn on by hand. Base of holder shall be 1/2" above top of pocket flap.
- *** **Bottom:** Bottom lining hem shall be turned under not less than 5/8" and securely stitched. Lining shall not be visible on outside of jacket. The self-goods turned up at the bottom of the jacket shall be a minimum of 2 1/2".
- *** **Lining:** The seam allowance of the lining shall be tacked to corresponding side seam and sleeve seam allowances of the coat.

ATTACHMENT B

- *-A **Patch:** An arrowhead shoulder patch shall be sewn on securely in the center of the left sleeve with the top edge 1 ¼” to 1 ½” below the shoulder seam depending on the garment size. The patch shall be sewn with inconspicuous stitching using brown thread closely matching the emblem background color.
- *-B **Patch:** The U.S. Army Corps of Engineers ensign shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 1 ½” below the shoulder seam. The patch shall be sewn with inconspicuous stitching using white thread to match the emblem background color. Red around red border.

Sizes and Measurements

Finished Dimensions (in even increments)

I-* **Sizes:** Short: 34-46
 Regular: 34-54
 Long: 38-54
 Xlong: 40-54

II-* **Sizes:** Petite: 4-16
 Regular: 4-24
 Tall: 8-24

ATTACHMENT B

N331 Jacket, Female, Green Ecospun Fleece

Specifications are identical for the following other components:

F321 Jacket, Unisex, Brown Ecospun Fleece

N324 Jacket, Male, Green Ecospun Fleece

Sample Size: All dimensions are based on Male size L, Female size M and Unisex size L

GENERAL DESCRIPTION

Fleece jacket top with two front, zippered pockets.

TYPE ITEMS: * --Male and Female Type I—Male/Unisex Type II—Female

CLASSIFICATION	NPS # (M/F)	FWS # (M/F)
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*	All Jackets	*	*
A	Unisex Brown		F321
B	Green	N324/N331	

SALIENT CHARACTERISTICS

Components

Type-Class

*-A **Basic Material:** The material shall be ecospun fleece made from 100% recycled plastic. Brown.

*-B **Basic Material:** The material shall be ecospun fleece made from 100% recycled plastic. Forest Green.

* **Thread:** All thread shall be minimum size 60/36.

I-A **Zipper:** The front zipper shall be YKK Vislon or equal plastic scoop type, size 5. The zipper shall be 25" long with 5/8" tapes. The zipper shall have a single slider with a long pull-tab.

The front pocket zippers shall be YKK Coil Interlocking teeth, size 5 or equal. The zippers shall be 7" long with 5/8" tapes, single long pull sliders closing pull down.

II-B **Zipper:** The front zipper shall be a YKK Vislon or equal plastic scoop type, size 5. The zipper shall be 23" long with 5/8" tapes. The zipper shall have a single slider with a long pull tab.

The front pocket zippers shall be YKK Coil, size 5 or equal. The zippers shall be 7" long with 5/8" tapes, single long pull sliders closing pull down.

* **Labels:** See general reference and requirements sheet.

General Instructions

* **Stitching:** All joining seams shall be sewn with a mock safety stitch.

ATTACHMENT B

Detail Design Characteristics

- I-A, B Front:** The fronts shall have one way zipper closure from the top of the collar to the bottom edge. The front zipper shall be 25" long. Half chest shall be 26" wide.
- The front raw edges shall be serged to the zipper tape. The slider shall finish on the right front. The bottom ends of the zipper tapes shall be topstitched ¼" gauge.
- II-B Front:** The fronts shall have one way zipper closure from the top of the collar to the bottom edge. The front zipper shall be 23" long. Half chest shall be 22 ½" wide.
- The front raw edges shall be serged to the zipper tape. The slider shall finish on the right front. The bottom ends of the zipper tapes shall be topstitched ¼" gauge.
- * Back:** The back shall be 1 piece raglan style.
- * Collar:** The collar shall be 3 ½" high at the fronts and 3" high at center back. The collar front edges shall align with the jacket fronts. The collar shall be lined with same fabric with neck edge bound and top edge stitched ¼" gauge.
- I-* Pockets:** The front slash zipper pockets shall have 7" openings. The bottom of the opening shall be 2 1/8" from the side seam. The top of the opening shall be 4" from the side seam. The slash opening shall be folded back and stitched to the zipper tapes with 1/8" topstitching. Pocket layers shall consist of one layer of fleece and one layer of nylon.
- II-* Pockets:** The front slash zipper pockets shall have 7" openings. The bottom of the opening shall be 2 ¼" from the side seam. The top of the opening shall be 3 ¾" from the side seam. The slash opening shall be folded back and stitched to the zipper tapes with 1/8" topstitching. Pocket layers shall consist of one layer of fleece and one layer of nylon.
- * Sleeves:** The sleeves shall be one piece, raglan style construction. The bottom of the sleeves shall be finished with a flared knit cuff 3" wide. The sleeves are lined with nylon lining.
- * Bottoms:** The jacket bottom shall be finished with a knit waistband with front tabs 4" long.
- I-B Badge Reinforcement:** Badge and name tabs shall consist of heat set on tape placed on the inside of the jacket. The tape shall be placed so that the top of the badge shall be 4" down from the shoulder seam and the center of the badge shall be 4 ¼" from the front zipper on the left front. The tape shall be placed so that the nametag shall be 4 ½" down from the shoulder seam, and the center of the name tag shall be 4 ¼" from front zipper on right front.
- II-B Badge Reinforcement:** Badge and name tabs shall consist of heat set on tape placed on the inside of the jacket. The tape shall be placed so that the top of the badge shall be 3 ½" down from the shoulder seam and the center of the badge shall be 4 ½" from the front zipper on the left front. The tape shall be placed so that the nametag shall be 5" down from the shoulder seam, and the center of the nametag shall be 3 ¾" from front zipper on right front.
- I-A Patch:** The large U.S. Fish & Wildlife Service patch shall be sewn securely in the center of the left sleeve with the top edge 7 ¼" below the neck seam. The patch shall be sewn with inconspicuous stitching using thread closely matching the emblem background color.
- *-B Patch:** An arrowhead shoulder patch shall be sewn on left sleeve 7 ¼" down from neck seam. The patch shall be sewn with inconspicuous stitching using thread closely matching the emblem background color.

ATTACHMENT B

Sizes and Measurements

I-A Sizes: Short: XS-L
 Regular: S-XXXXL
 Long: M-XXL

I-B Sizes: Short: XS-L
 Regular: S-XXXXL
 Long: M-XXXXL

II-B Sizes: Regular: S-XXL

ATTACHMENT B

N332 Jacket, Female, Green 8Oz. 65/35 P/C Cheotopa IV Twill with Badge Tab

Specifications are identical for the following other components:

N325 Jacket, Male, Green 8 Oz. 65/35 P/C Cheotopa IV Twill with Badge Tab

N626 Jacket, Female, Green 8 Oz. 65/35 P/C Cheotopa IV Twill without Badge Tab

Sample Size: Male and Female

GENERAL DESCRIPTION

Permanent press jacket with zipper from bottom of jacket to bottom of collar, two piece convertible collar, with two outside breast pockets with pointed flaps.

TYPE ITEMS: * --All Jackets Type I—Male Type II—Female

CLASSIFICATION	NPS # (M/F)
* All Jackets	*
A With Badge Tab	N325/332
B Without Badge Tab	N625/626

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The material shall be 8 ounce Forest Green 8 Oz. 65/35 P/C Chetopa IV twill.
- * **Thread:** The thread for all sewing operations shall be Rayon covered polyester or 100% spun polyester, dyed to match shade of self material, conforming to ticket number 50-2 or 3 ply and 70-2 or 3 ply of MIL-T-43548. All lockstitch (301) shall use 50 ply, all chainstitch (401) shall use 50 ply for needle and 70 ply, and safety stitching (515 and 516) shall use 50 ply for the looper, overedging (503 and 504) shall use 70 ply, and safety stitching (515 and 516) shall use 50 ply for the needle thread and 70 ply for other threads.
- * **Zipper:** A brass Talon #42 zipper or equal is required. Zipper with brass teeth and slider-ratcheting-auto lock slider. Concealed zipper tape shall be blended polyester/cotton or nylon/cotton.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Cutting:** Fronts, backs, sleeves, pockets and flaps shall be cut lengthwise in goods. Collars and cuffs shall be cut in the filling direction.
- * **Stitching:** All joining seams, including sideseams, shoulder join, sleeve join, and bottom band shall be 12-12 gauge (515 or 516) safety stitched.

ATTACHMENT B

Detail Design Characteristics

- I-*** **Collar:** Collar shall be two-piece convertible style. Collar shall have an interlining compatible with permanent press finish. Collar shall be stitched, topstitched $\frac{1}{4}$ gauge and restitched to garment during attaching operation with 301 stitch type. Collar points shall be 3" long, and collar shall measure $2\frac{3}{4}$ " at center back.
- II-*** **Collar:** Collar shall be two-piece convertible style. Collar shall have an interlining compatible with permanent press finish. Collar shall be stitched, topstitched $\frac{1}{4}$ gauge and restitched to garment during attaching operation with 301 stitch type. Collar points shall be 3" long, and collar shall measure 3" at center back.
- *** **Front:** Closure: Zipper tape shall be sandwiched between front and facing, attached with single needle 30 stitch, color to match self material. There shall be $\frac{3}{8}$ " topstitching along the zipper.
- *** **Inside Zipper Track:** The jacket shall be manufactured with an inside zipper track to accommodate zip-in/out liner with long sleeves.
- I-*** **Facing:** The jackets shall have an approximate 3" inside facing which shall be bound with $\frac{3}{8}$ " acetate or nylon tape. Along the facing edge, the zipper tape shall be attached. The size and teeth of this zipper shall be of such construction as to allow it to be joined with a zip-in/out liner. Facing and zip-in liner shall be joined to zipper tape with 1 row of $\frac{1}{4}$ " gauge 301 stitching.
- II-*** **Facing:** The jackets shall have an approximate 3" inside facing which is to be bound with $\frac{3}{8}$ " acetate or nylon tape. Along the facing edge, the zipper tape shall be attached. The size and teeth of this zipper shall be of such construction as to allow it to be joined with a zip-in/out liner. Facing and zip-in liner shall be joined to zipper tape with 2 rows of $\frac{1}{4}$ " gauge 301 stitching.
- *** **Badge Reinforcement:** Badge tab shall be constructed of self fabric, lined with 2 black metal eyelets 1" apart vertically from center to center and shall be sewn $\frac{1}{2}$ " above left breast pocket flap. Finished tab shall be 2" long and 1" wide.
- I-*** **Pocket Flaps:** Each flap shall have 2 needle, $\frac{1}{4}$ " gauge topstitching. Left flap shall have a pencil division with each side of opening bartacked. Flaps shall have straight side with single point at center. Flaps shall measure $6\frac{3}{8}$ " wide, $1\frac{5}{8}$ " at sides, and $2\frac{1}{2}$ " at center. Flaps shall have buttonholes that are in alignment with buttons. Ends of flaps shall be bartacked. Flaps shall be attached with a 2 needle $\frac{1}{4}$ " gauge.
- II-*** **Pocket Flaps:** Each flap shall have 2 needle, $\frac{1}{4}$ " gauge topstitching. Left flap shall have a pencil division with each side of opening bartacked. Flaps shall have straight side with single point at center. Flaps shall measure $5\frac{1}{2}$ " wide, $1\frac{1}{4}$ " at sides, and 2" at center. Flaps shall have buttonholes that are in alignment with buttons. Ends of flaps shall be bartacked. Flaps shall be attached with a 2 needle $\frac{1}{4}$ " gauge.
- I-*** **Pockets:** Self material, attached with 2 rows, $\frac{1}{4}$ gauge, 301 stitch. Both pockets shall have a 27 ligne melamine button. Pocket size $6\frac{3}{4}$ " wide by $6\frac{1}{2}$ " deep with mitered corners. Ends of pocket openings shall be bartacked.
- II-*** **Pockets:** Self material, attached with 2 rows, $\frac{1}{4}$ gauge, 301 stitch. Both pockets shall have a 27 ligne melamine button. Pocket size $5\frac{1}{2}$ " wide by $5\frac{1}{2}$ " deep with mitered corners. Ends of pocket openings shall be bartacked.

ATTACHMENT B

- * **Sleeves:** One piece, coat style, set in sleeves, safety stitched, without vent.
- * **Cuffs:** One piece design, clip corner, dress style, rectangular appearance, 2 " wide, and attached with 12-12 gauge (515 or 516) safety stitch. After joining cuff, turn seam allowance up and topstitch ¼" above joining seam. Each cuff shall have one buttonhole with two 27 ligne melamine buttons on each cuff.
- * **Bottoms:** Shall finish with 2 ½" band. Jackets to have side knitted band, centered over side seam, 2 ½" high and 4" wide of 93% nylon/7% elastic double knit, 2 x 2 rib cardigan with color to match self material. After joining band to main panels, the seam allowance shall be folded up and caught by topstitching on outside of jacket ¼" above joining seam. The front waistbands shall be topstitched at the bottom and each side.
- * **Patch:** An arrowhead shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 1 ¾" to 2" below the shoulder seam depending on the garment size. The patch shall be sewn with inconspicuous stitching using brown thread closely matching the emblem background color.

Sizes and Measurements

Finished Dimensions

- I-* **Sizes:** Regular: S-XXXXL
Long: M-XXXXL
- II-* **Sizes:** Regular: XS-XXL
Tall: S-XXL

ATTACHMENT B

N333 Jacket, Female, Green 16 Oz. 55/45 P/W Elastique, Ike Style

Specifications are identical for the following other components:

N326 Jacket, Male, Green 16 Oz. 55/45 P/W Elastique, Ike Style

C327 Jacket, Male, Green 16 Oz. 55/45 P/W Elastique, Ike Style

C334 Jacket, Female, Green 16 Oz. 55/45 P/W Elastique, Ike Style

Sample Size: All dimensions are based on a Male size 48 and a Female size 12

GENERAL DESCRIPTION

Eisenhower jacket with zipper front and one-piece back, rolled collar with notched lapels, two front patch pockets pleated with scalloped flaps, regular coat sleeves, and knit inserts at bottom of each side over hip.

TYPE ITEMS: * --Male and Female Type I—Male Type II—Female

CLASSIFICATION	NPS # (M/F)	COE # (M/F)
* All Jackets	-	-
A NPS	N326/N333	-
B COE		C327/C334

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** Material shall be Raeford Style 646-168 or equal. Shade to match Raeford color 168 (Forest Green). Elastique weave, 16 - 16 ½ oz. per linear yard. 55% Polyester/45% Wool.
- Fusible Interlinings:** N/A.
- *-A **Linings:** The coat shall be fully lined. The material for lining fronts, sleeves, pocket, flaps and back shall be Rayon lining, 3.7 ounce, color black, conforming to Class 1 of current issue of Military Specification MIL-C-368.
- *-B **Linings:** The coat shall be fully lined. The material for lining fronts, sleeves, pocket, flaps and back shall be rayon lining 3.7 ounces, color green, conforming to Class 1 of current issue of Military Specification MIL-C-368.
- * **Thread:** All thread, except #8 cotton gimp for buttonhole reinforcement, shall be cotton-covered polyester conforming to ticket numbers 70-2 ply 50-2 or 3 ply, and 30-2 or 3 ply of MIL-T-43548. Color of all thread shall be dyed to match shade of self-fabric.
- *-A **Buttons:** A 24 ligne bronze NPS Waterbury button or equal shall be inserted in each eyelet and fastened on the back side with a ring.
- *-B **Buttons:** A 24 ligne gold eagle embossed COE Waterbury lion crest or equal shall be inserted in each eyelet and fastened on the back side with a ring.
- * **Zipper:** A Talon # 42 or equal zipper shall extend from bottom of lapel to bottom edge of front. Zipper shall be brass, separating style, with brass slides. Zipper tape shall be a polyester/cotton blend fabric dyed to match basic material. Zipper length shall vary according to body length or jacket.

ATTACHMENT B

- * **Knitted band insert:** Waistband insert shall be 2x2 ply rib ½ cardigan of 93% nylon/ 7% elastic. The shade shall be dyed to match outer fabric. It shall measure 4” wide by 2 7/8” high and shall start at the side seam over the hip to the back.
- I-* **Shoulder Pads:** Style #7, weight 1/2 ounce/pair of pads of 1/4 ounce/pad. Size: Neck to shoulder, 4 ¼”; armhole to armhole as wrapped around shoulder, 9 ¼”. Content: Polyester foam.
- II-* **Shoulder Pads:** Style #7, weight 1/2 ounce/pair of pads of 1/4 ounce/pad. Size: Neck to shoulder, 4”; armhole to armhole as wrapped around shoulder, 8”. Content: Polyester foam.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Cutting:** N/A.
- * **Stitching:** All seaming and stitching of jacket shall use ticket number 30 or 50 except that overedging stitching may use ticket number 70-2 ply.
- * **Button Holes:** A buttonhole shall be centered ½” from center point tip of pocket flap and shall be an uncut eyelet end, square bar type.

Detail Design Characteristics

- I-* **Front:** One piece fronts with a chest patch pocket on each side. Zipper to extend from bottom of lapel to bottom edge of front. Front edges to be topstitched ¼”. Facings shall be of basic material and cut in one piece. Front facing shall extend from neckline seam to bottom and shall be no less than 5” at top, tapering to no less than 3” at the bottom.
- II-* **Front:** One piece fronts with a chest patch pocket on each side. Zipper to extend from bottom of lapel to bottom edge of front. Front edges to be topstitched ¼”. Facings shall be of basic material and cut in one piece. Front facing shall extend from neckline seam to bottom and shall be no less than 5” at top, tapering to no less than 3 1/2” at the bottom.
- II-A,B **Darts:** Shall be formed by cutting a small notch in the top of front panel and sewing it back together. Dart shall begin in the shoulder seam and follow the breast line to approximately the center of the top pocket.
- I-* **Collar:** Collar shall be one piece of basic material, having an interliner of a good quality collar canvas that shall be padded to the felt undercollar. Collar and lapels shall be symmetrical in shape and be uniform in shape and size. Collar shall measure 1 5/8” from roll line at center back and 2” at notch. The lapels shall measure 4” at notch point and taper down to top of zipper. The collar shall cover the neck seams, fit the neck without caving in or sagging over shoulders, and fit the front shoulders neatly without looseness or folds under the collar. Collar and lapels shall be topstitched ¼” from the edge.
- II-* **Collar:** Collar shall be one piece of basic material, having an interliner of a good quality collar canvas that shall be padded to the felt undercollar. Collar and lapels shall be symmetrical in shape and be uniform in shape and size. Collar shall measure 1 5/8” from roll line at center back and 2” at notch. The lapels shall measure 3 ½” at notch point and taper down to top of zipper. The collar shall cover the neck seams, fit the neck without caving in or sagging over shoulders, and fit the front shoulders neatly without looseness or folds under the collar. Collar and lapels shall be topstitched ¼” from the edge.

ATTACHMENT B

- I-*** **Pocket Flaps:** Front pocket flaps shall be constructed from basic material and lined with the 3.7 ounce Rayon lining fabric. Flaps, topstitched 3/16", are to be 3 pointed style 5 3/4" wide, 2 1/4" at side points, and 3" at center points. Top of flap shall be located 1/2" above top of pocket. A male snap component shall be located under each side point and shall be fastened to the lining and not show on the outside of the flap. Snaps shall not be sewn on.
- II-*** **Pocket Flaps:** Front pocket flaps shall be constructed from basic material and lined with the 3.7 ounce Rayon lining fabric. Flaps, topstitched 3/16", are to be 3 pointed style 5 1/2" wide, 2 1/2" at side points and at center points. Top of flap shall be located 1/2" above top of pocket. A male snap component shall be located under each side point and shall be fastened to the lining and not show on the outside flap. Snaps shall not be sewn on.
- I-*** **Pockets:** Two outside breast pleated patch pockets are made of self-material. Box pleat of pocket shall be 1 1/2" wide and sewn down to prevent spreading. Pockets shall be 5 5/8" wide by 6" deep with rounded corners at the bottom. The pocket shall be lined with the 3.7 ounce Rayon lining fabric. Pocket closure shall be by two 3/8" snaps located to correspond with male snaps on flap. Pocket shall be topstitched 3/16" from edge.
- One piped slash pocket shall be located under right front and sewn into the jacket lining. The pocket shall be constructed from the 3.7 ounce Rayon lining fabric and shall finish 5 1/2" wide and 6" deep.
- II-*** **Pockets:** Two outside breast pleated patch pockets of self-material. Box pleat of pocket shall be 1 3/8" wide and sewn down to prevent spreading. Pockets shall be 5 1/4" wide by 6" deep with rounded corners at the bottom. The pocket shall be lined with the 3.7 ounce Rayon lining fabric. Pocket closure shall be by two 3/8" snaps located to correspond with male snaps on flap. Pocket shall be topstitched 3/16" from edge.
- One piped slash pocket shall be located under left front and sewn into the jacket lining. The pocket shall be constructed from the 3.7 ounce Rayon lining fabric and shall finish 5" wide and 5 1/2" deep.
- *** **Sleeves:** The two piece sleeve shall be set and joined with fullness properly distributed over the sleeve head, and shall hang uniformly straight. Cloth sweat shields of basic material shall have edges piped with good quality Rayon binding. Sweat shields shall be stitched down all around. Sleeves shall be hand felled at top half of armhole and machine stitched at bottom half. Sleeves shall be fully lined with the 3.7 ounce Rayon lining fabric with a 1 1/2" minimum turn under at the bottom of the sleeve.
- *-A** **Badge Reinforcement:** Black enameled badge holder, Waterbury No. 9705, or equal, shall be placed above the left pocket flap, centered and sewn on by hand. Base of holder shall be 1/2" above top of pocket flap.
- *-B** **Badge Reinforcement:** Black enameled badge holder, Waterbury No. 9705, or equal, shall be placed above the left pocket flap, centered and sewn on by hand. Base of holder shall be 1/2" above top of pocket flap.
- *** **Bottom:** Bottom lining hem shall be turned under not less than 5/8" and securely stitched. Lining shall not be visible on outside of jacket. The self-goods turned up at the bottom of the jacket shall be a minimum of 2 1/2".
- *** **Lining:** The seam allowance of the lining shall be tacked to corresponding side seam and sleeve seam allowances of the coat.

ATTACHMENT B

- *-A **Patch:** An arrowhead shoulder patch shall be sewn on securely in the center of the left sleeve with the top edge 1 ¼” to 1 ½” below the shoulder seam depending on the garment size. The patch shall be sewn with inconspicuous stitching using brown thread closely matching the emblem background color.
- *-B **Patch:** The U.S. Army Corps of Engineers ensign shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 1 ½” below the shoulder seam. The patch shall be sewn with inconspicuous stitching using white thread to match the emblem background color. Red around red border.

Sizes and Measurements

Finished Dimensions (in even increments)

I-*	Sizes:	Short:	34-46
		Regular:	34-54
		Long:	38-54
		Xlong:	40-54
II-*	Sizes:	Petite:	4-16
		Regular:	4-24
		Tall:	8-24

ATTACHMENT B

N338 Jeans, Male, Forest Green 10 Oz. 50/50 P/C Twill

Specifications are identical for the following other components:

F336 Jeans, Male, Brown 12 Oz. Cotton Denim

C337 Jeans, Male, Forest Green 10 Oz. 50/50 P/C Twill

F339 Jeans, Female, Brown 12 Oz. Cotton Denim

C340 Jeans, Female, Forest Green 10 Oz. 50/50 P/C Twill

N341 Jeans, Female, Forest Green 10 Oz. 50/50 P/C Twill

Sample Size: All dimensions based on Male size-34R, and Female size-10R

GENERAL DESCRIPTION

Western style back yoke, relaxed fit, straight leg jean.

TYPE ITEMS: *-Male and Female Type I—Male Type II—Female

CLASSIFICATION	FWS # (M/F)	COE & NPS # (M/F)
* All Jeans	*	*
A 12 Oz. Cotton Denim	F 336/339	
B 10 Oz. 50/50 P/C Twill		C337/C340 N338/N341

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A **Basic Material:** The material shall be Graniteville Super Natural Denim 66920/10, NSS soft touch, Brown, Pre-cured, 63" cutable, 12 oz./sq. yd. 100% cotton. (Fabric must be spread in one direction.)
- *-B **Basic Material:** The material shall be Ferdinand Twill, 10 oz., 50% Dacron Polyester/50% Cotton, Permanent Press, Forest Green.
- *-A **Pocket Fabric:** Polytwill (pre-cured), black, weight: 2.60 yds/lb. Thread count is 72 warp x 48 weft.
- *-B **Pocket Fabric:** 65% polyester, 35% cotton, Black, 260 wt. minimum thread count 68 x 54.
- * **Thread:** The thread for all sewing operations shall be 100% polyester wrapped polyester core, size TEX 40.
- *-A **Zippers:** The trousers shall have a 45mm brass zipper chain. The zipper has a ratcheting cam lock slider. The right zipper tape shall be serged to the right fly. Both zipper tapes shall be sewn to the flies with a double needle lockstitch. The fly outline shall be a double needle lockstitch. The fly is bartacked at the bottom of the fly. A second bartack is located approximately 3/4" above the first bartack and is centered across the double needle stitching.
- *-B **Zippers:** Shall be brass with bottom stop wire and memory lock. Zipper tape color shall be dark green and serged to right fly. Fly shall be bartacked at crotch and at fly outline. A tape to be sewn to fly's with two rows of lockstitch (301).
- * **Labels:** See general reference and requirements sheet.

ATTACHMENT B

General Instructions

- * **Stitching:** Double needle topstitching (1/4" gauge) shall be used on hip pockets, belt loops, front pocket openings, left and right fly. The seat, back yoke and inseams are full felled seams. The side seam shall be safety stitched and pressed toward the back of the jeans. All seams shall be stitched 8 to 10 stitches per inch.

Detail Design Characteristics

- I-A** **Waistband:** The waistband is of single piece construction and shall be folder set with a single needle chainstitch. All edges of the waistband shall be topstitched 1/8". The finished waistband shall be 1 5/8 inches wide and shall close with a 27-ligne rivet button and buttonhole.
- II-A** **Waistband:** The waistband shall be single piece construction and shall be folder set with a double needle chain stitch. All edges of the waistband shall be topstitched 1/8". The finished waistband shall be 1 5/8 inches wide and shall close with a 27-ligne rivet button and buttonhole.
- *-B** **Waistband:** Folderset with rivet button and buttonhole at band and closing waistband stitching shall be lockset.
- I-A,B** **Belt Loops:** Belt loops shall be 1/2" wide ladder stitch loops and shall finish 2 1/2" long. There shall be 5 belt loops on sizes 29 and down, 7 loops on sizes 30-48, and 9 loops on sizes 50 and up. The belt loops shall be bartacked even with the top of the band, and dropped and tacked 3/4" below the band. There shall be a 2" minimum opening. Loops on opposite sides of same garment shall match within width of a loop.
- II-A,B** **Belt Loops:** Belt loops shall be 1/2" wide ladder stitch loops and shall finish 2 1/2" long. There shall be 5 belt loops on sizes 12 and down, 7 loops on sizes 14 and up. The belt loops shall be bartacked even with the top of the band, and dropped and tacked 3/4" below the band. There shall be a 2" minimum opening. Loops on opposite sides of same garment shall match within width of a loop.
- I-A,B** **Front Pockets:** The front pockets shall be scoop style with a 3/8" folder hem. The pocket opening shall be bartacked at the waist and at the side seam. The opening between the bartacks is 5 3/4". The pocket bag is 9" deep from the bottom of the waistband to the bottom of the pocket bag. The pocket bags shall be safety stitched and turned.
- II-A,B** **Front Pockets:** The front pockets shall be scoop style with a 3/8" folder hem. The pocket opening shall be bartacked at the waist and at the side seam. The opening between the bartacks is 5 1/4". The pocket bag is 10 1/2" deep from the bottom of the waistband to the bottom of the pocket bag. The pocket bags shall be safety stitched and turned.
- I-A,B** **Hip Pockets:** The two spade shaped back pockets shall be 6" wide, 5 3/4" at the sides and 6 1/2" long at the center. The upper hem is a 1/2" folder hem, double needle chain stitched. The pockets are attached with a double needle lockstitch. The upper corners of the pockets have horizontal bartacks.

ATTACHMENT B

II-A,B **Hip Pockets:** The two spade shaped back pockets shall be 5" wide, 4 ¼" at the sides and 5 ¼" long at the center for sizes 6 and down. Back pockets on sizes 8 and up shall be 6" wide, 5¼" at the sides and 6¼" long at the center. The upper hem is a 1/2" folder hem, double needle chain stitched. The pockets are attached with a double needle lockstitch. The upper corners of the pockets have horizontal bartacks.

* **Bottoms:** Turn up the lower edge 1/2", fold over 1/2" and stitch with a single needle lockstitch, 1/2" gauge.

Sizes and Measurements

Finished Dimensions

I-* **Sizes:** Regular: 28-38 all increments and 40-60 in even increments only.
Long: 28 - 50 in even increments only.

II-* **Sizes:** Regular: 2-30 in even increments only
Tall: 4-24 in even increments only

ATTACHMENT B

N341 Jeans, Female, Forest Green 10 Oz. 50/50 P/C Twill

Specifications are identical for the following other components:

F336 Jeans, Male, Brown 12 Oz. Cotton Denim
C337 Jeans, Male, Forest Green 10 Oz. 50/50 P/C Twill
N338 Jeans, Male, Forest Green 10 Oz. 50/50 P/C Twill
F339 Jeans, Female, Brown 12 Oz. Cotton Denim
C340 Jeans, Female, Forest Green 10 Oz. 50/50 P/C Twill

Sample Size: All dimensions based on Male size-34R, and Female size-10R

GENERAL DESCRIPTION

Western style back yoke, relaxed fit, straight leg jean.

TYPE ITEMS: *-Male and Female Type I—Male Type II—Female

CLASSIFICATION		FWS # (M/F)	COE & NPS # (M/F)
*	All Jeans	*	*
A	12 Oz. Cotton Denim	F 336/339	
B	10 Oz. 50/50 P/C Twill		C337/C340 N338/N341

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A **Basic Material:** The material shall be Graniteville Super Natural Denim 66920/10, NSS soft touch, Brown, Pre-cured, 63" cutable, 12 oz./sq. yd. 100% cotton. (Fabric must be spread in one direction.)
- *-B **Basic Material:** The material shall be Ferdinand Twill, 10 oz., 50% Dacron Polyester/50% Cotton, Permanent Press, Forest Green.
- *-A **Pocket Fabric:** Polytwill (pre-cured), black, weight: 2.60 yds/lb. Thread count is 72 warp x 48 weft.
- *-B **Pocket Fabric:** 65% polyester, 35% cotton, Black, 260 wt. minimum thread count 68 x 54.
- * **Thread:** The thread for all sewing operations shall be 100% polyester wrapped polyester core, size TEX 40.
- *-A **Zippers:** The trousers shall have a 45mm brass zipper chain. The zipper has a ratcheting cam lock slider. The right zipper tape shall be serged to the right fly. Both zipper tapes shall be sewn to the flies with a double needle lockstitch. The fly outline shall be a double needle lockstitch. The fly is bartacked at the bottom of the fly. A second bartack is located approximately 3/4" above the first bartack and is centered across the double needle stitching.
- *-B **Zippers:** Shall be brass with bottom stop wire and memory lock. Zipper tape color shall be dark green and serged to right fly. Fly shall be bartacked at crotch and at fly outline. A tape to be sewn to fly's with two rows of lockstitch (301).
- * **Labels:** See general reference and requirements sheet.

ATTACHMENT B

General Instructions

- * **Stitching:** Double needle topstitching (1/4" gauge) shall be used on hip pockets, belt loops, front pocket openings, left and right fly. The seat, back yoke and inseams are full felled seams. The side seam shall be safety stitched and pressed toward the back of the jeans. All seams shall be stitched 8 to 10 stitches per inch.

Detail Design Characteristics

- I-A** **Waistband:** The waistband is of single piece construction and shall be folder set with a single needle chainstitch. All edges of the waistband shall be topstitched 1/8". The finished waistband shall be 1 5/8 inches wide and shall close with a 27-ligne rivet button and buttonhole.
- II-A** **Waistband:** The waistband shall be single piece construction and shall be folder set with a double needle chain stitch. All edges of the waistband shall be topstitched 1/8". The finished waistband shall be 1 5/8 inches wide and shall close with a 27-ligne rivet button and buttonhole.
- *-B** **Waistband:** Folderset with rivet button and buttonhole at band and closing waistband stitching shall be lockset.
- I-A,B** **Belt Loops:** Belt loops shall be 1/2" wide ladder stitch loops and shall finish 2 1/2" long. There shall be 5 belt loops on sizes 29 and down, 7 loops on sizes 30-48, and 9 loops on sizes 50 and up. The belt loops shall be bartacked even with the top of the band, and dropped and tacked 3/4" below the band. There shall be a 2" minimum opening. Loops on opposite sides of same garment shall match within width of a loop.
- II-A,B** **Belt Loops:** Belt loops shall be 1/2" wide ladder stitch loops and shall finish 2 1/2" long. There shall be 5 belt loops on sizes 12 and down, 7 loops on sizes 14 and up. The belt loops shall be bartacked even with the top of the band, and dropped and tacked 3/4" below the band. There shall be a 2" minimum opening. Loops on opposite sides of same garment shall match within width of a loop.
- I-A,B** **Front Pockets:** The front pockets shall be scoop style with a 3/8" folder hem. The pocket opening shall be bartacked at the waist and at the side seam. The opening between the bartacks is 5 3/4". The pocket bag is 9" deep from the bottom of the waistband to the bottom of the pocket bag. The pocket bags shall be safety stitched and turned.
- II-A,B** **Front Pockets:** The front pockets shall be scoop style with a 3/8" folder hem. The pocket opening shall be bartacked at the waist and at the side seam. The opening between the bartacks is 5 1/4". The pocket bag is 10 1/2" deep from the bottom of the waistband to the bottom of the pocket bag. The pocket bags shall be safety stitched and turned.
- I-A,B** **Hip Pockets:** The two spade shaped back pockets shall be 6" wide, 5 3/4" at the sides and 6 1/2" long at the center. The upper hem is a 1/2" folder hem, double needle chain stitched. The pockets are attached with a double needle lockstitch. The upper corners of the pockets have horizontal bartacks.

ATTACHMENT B

II-A,B

Hip Pockets: The two spade shaped back pockets shall be 5" wide, 4 ¼" at the sides and 5 ¼" long at the center for sizes 6 and down. Back pockets on sizes 8 and up shall be 6" wide, 5¼" at the sides and 6¼" long at the center. The upper hem is a 1/2" folder hem, double needle chain stitched. The pockets are attached with a double needle lockstitch. The upper corners of the pockets have horizontal bartacks.

*

Bottoms: Turn up the lower edge 1/2", fold over 1/2" and stitch with a single needle lockstitch, 1/2" gauge.

Sizes and Measurements

Finished Dimensions

I-* **Sizes:** Regular: 28-38 all increments and 40-60 in even increments only.
Long: 28 - 50 in even increments only.

II-* **Sizes:** Regular: 2-30 in even increments only
Tall: 4-24 in even increments only

ATTACHMENT B

N343 Jumper, Maternity, Forest Green 11 Oz. P/W Tropical

Specifications are identical for the following item:

C342 Jumper, Maternity, Forest Green 11 Oz. P/W Tropical

GENERAL DESCRIPTION

Women's knee length jumper shall have an empire waist with four large pleats across the abdomen area and side seam pockets. The front has a v-neck. The semi-fitted back has a centered dress-length zipper and kick pleat.

CLASSIFICATION

* All Jumpers for COE and NPS

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The material shall be Raeford Forest Green 55% Polyester/45% Wool, 11 oz Tropical.
- * **Lining:** The front and back bodice shall be fully lined with a polyester lining. The top of the jumper shall have seams enclosed by a lining.
- * **Pockets:** Two side seam pockets shall have a minimum opening of 6" and a depth of 6" from the bottom of the opening. The pocket bags shall be safety-stitched and constructed from lining fabric.
- * **Zipper:** The jumper shall be closed with a black nylon 18" zipper down the center back.
- * **Label:** See general reference and requirements sheet.

Sizes and Measurements

Sizes: XS-XL (Regular)

ATTACHMENT B

N349 Liner, Male, Thinsulate Gore-Tex Hip Length Overshell

Specifications are identical for the following other components:

N350 Liner, Female, Thinsulate Gore-Tex Hip Length Overshell

Sample Sizes: Large (male)/ Medium (female)

GENERAL DESCRIPTION

Nylon taffeta Thinsulate liner. Features 150 gram insulation in the sleeves and 200 gram insulation in the body to zip and snap into Gore-Tex Overshell.

CLASSIFICATION

- * All Liners

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The shell shall be 100% nylon. The lining shall be 100% nylon, Insulation – Thinsulate Forest Green.
- * **Linings:** The shell shall be fully lined.
- * **Thread:** All thread shall be minimum size 60/36.
- * **Zippers:** The front shall have a 1 way separating reversible zipper compatible with the inside zipper track on the Gore-tex Overshell.
- * **Labels:** See general reference and requirements sheet.

General Instructions

Detail Design Characteristics

- * **Collar:** The collar and collar lining shall be made from talsan shell fabric and interlined with two layers of 150 gram thinsulate. The collar shall be 2" at the center back and taper to 0" at both ends. The collar shall be 19" across the top.
- * **Front:** The front shall have a 1 way separating reversible zipper compatible with the inside zipper track on the Gore-tex overshell. The outer front shall be plain and the lining channel quilted with goose down and baffled. The lower front shall have two male snaps located approximately 1" from the side and compatible with the female snaps on the inner lining of the Gore-Tex Overshell.
- * **Side Vents:** The side vents shall be 15.5" long and shall be open to be compatible with side vents on the Gore-Tex Overshell. The edges of the vent shall be bound with shell fabric in conjunction with binding the liner bottom on the front and back.
- * **Back:** The back shall be plain and shall be 31" at the center back from collar seam to bottom edge. There shall be one male snap located approximately 1" down from the collar seam. This snap shall be compatible with the female snap located in the center back of the Gore-Tex Overshell.

ATTACHMENT B

- * **Sleeves:** The sleeves shall be raglan, one piece construction. The sleeve shall be 5" wide at the collar seam and shall be 29" long from collar seam to the cuff. A knitted cuff; 3" wide shall be sewn into the lining/outer shell seam. Two male snaps (one snap on each sleeve) shall be located approximately 1" from the cuff and compatible with the female snaps on the Gore-Tex Overshell.
- * **Cuffs:** A knitted cuff; 3" wide shall be sewn into the lining/outer shell seam.

Sizes and Measurements

Sizes: Male: Regular S-XXL to match shell size
Long M-XXL to match shell size
Female: S-XL to match shell size

ATTACHMENT B

N350 Liner, Female, Thinsulate Gore-Tex Hip Length Overshell

Specifications are identical for the following other components:

N349 Liner, Male, Thinsulate Gore-Tex Hip Length Overshell

Sample Sizes: Large (male)/ Medium (female)

GENERAL DESCRIPTION

Nylon taffeta Thinsulate liner. Features 150 gram insulation in the sleeves and 200 gram insulation in the body to zip and snap into Gore-Tex Overshell.

CLASSIFICATION

- * All Liners

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The shell shall be 100% nylon. The lining shall be 100% nylon, Insulation – Thinsulate Forest Green.
- * **Linings:** The shell shall be fully lined.
- * **Thread:** All thread shall be minimum size 60/36.
- * **Zippers:** The front shall have a 1 way separating reversible zipper compatible with the inside zipper track on the Gore-tex Overshell.
- * **Labels:** See general reference and requirements sheet.

General Instructions

Detail Design Characteristics

- * **Collar:** The collar and collar lining shall be made from talsan shell fabric and interlined with two layers of 150 gram thinsulate. The collar shall be 2" at the center back and taper to 0" at both ends. The collar shall be 19" across the top.
- * **Front:** The front shall have a 1 way separating reversible zipper compatible with the inside zipper track on the Gore-tex overshell. The outer front shall be plain and the lining channel quilted with goose down and baffled. The lower front shall have two male snaps located approximately 1" from the side and compatible with the female snaps on the inner lining of the Gore-Tex Overshell.
- * **Side Vents:** The side vents shall be 15.5" long and shall be open to be compatible with side vents on the Gore-Tex Overshell. The edges of the vent shall be bound with shell fabric in conjunction with binding the liner bottom on the front and back.
- * **Back:** The back shall be plain and shall be 31" at the center back from collar seam to bottom edge. There shall be one male snap located approximately 1" down from the collar seam. This snap shall be compatible with the female snap located in the center back of the Gore-Tex Overshell.

ATTACHMENT B

- * **Sleeves:** The sleeves shall be raglan, one piece construction. The sleeve shall be 5" wide at the collar seam and shall be 29" long from collar seam to the cuff. A knitted cuff; 3" wide shall be sewn into the lining/outer shell seam. Two male snaps (one snap on each sleeve) shall be located approximately 1" from the cuff and compatible with the female snaps on the Gore-Tex Overshell.
- * **Cuffs:** A knitted cuff; 3" wide shall be sewn into the lining/outer shell seam.

Sizes and Measurements

Sizes: Male: Regular S-XXL to match shell size
Long M-XXL to match shell size
Female: S-XL to match shell size

ATTACHMENT B

N351 Liner, Male, Thinsulate Gore-Tex Waist Length Overshell

Specifications are identical for the following other component:

N352 Liner, Female, Thinsulate Gore-Tex Hip Length Overshell

Sample Sizes: Large (male)/ Medium (female)

GENERAL DESCRIPTION

Nylon taffeta thinsulate liner. Features 150 gram insulation in the sleeves and 200 gram insulation in the body to zip and snap into Gore-Tex waist length Overshell.

CLASSIFICATION

* **All Liners**

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The shell shall be 100% nylon. The lining shall be 100% nylon, Insulation – Thinsulate Forest Green.
- * **Linings:** The shell shall be fully lined.
- * **Thread:** All thread shall be minimum size 60/36.
- * **Zippers:** The front shall have a 1 way separating reversible zipper compatible with the inside zipper track on the Gore-tex Overshell.
- * **Labels:** See general reference and requirements sheet.

Detail Design Characteristics

- * **Collar:** The collar and collar lining shall be made from Talsan shell fabric and interlined with two layers of 150 gram Thinsulate. The collar shall be 2" at the center back and taper to 0" at both ends. The collar shall be 18" across the top.
- * **Front:** The front shall have a 1 way separating reversible zipper compatible with the inside zipper track on the Gore-tex Overshell. The outer front shall be plain and the lining channel quilted with Goose down and baffled. The lower front shall have two male snaps located approximately 1" from the side and compatible with the female snaps on the inner lining of the Gore-Tex Overshell.
- * **Side Vents:** The side vents shall be 15.5" long and shall be open to be compatible with side vents on the Gore-Tex Overshell. The edges of the vent shall be bound with shell fabric in conjunction with binding the liner bottom on the front and back.
- * **Back:** The back shall be plain and shall be 24" at the center back from collar seam to bottom edge. There shall be one male snap located approximately 1" down from the collar seam. This snap shall be compatible with the female snap located in the center back of the Gore-Tex Overshell.
- * **Sleeves:** The sleeves shall be raglan, one piece construction. The sleeve shall be 5" wide at the collar seam and shall be 29" long from collar seam to the cuff. A knitted cuff; 3" wide shall be sewn into the lining/outer shell seam. Two male snaps (one snap on each sleeve) shall be located approximately 1" from the cuff and compatible with the female snaps on the Gore-Tex Overshell.

ATTACHMENT B

* **Cuffs:** A knitted cuff; 3" wide shall be sewn into the lining/outer shell seam.

Sizes and Measurements

Sizes: Male: Regular S-XXL to match shell size
Long M-XXL to match shell size

Female: S-XL to match shell size

ATTACHMENT B

N352 Liner, Female, Thinsulate Gore-Tex Hip Length Overshell

Specifications are identical for the following other component:

N351 Liner, Male, Thinsulate Gore-Tex Waist Length Overshell

Sample Sizes: Large (male)/ Medium (female)

GENERAL DESCRIPTION

Nylon taffeta thinsulate liner. Features 150 gram insulation in the sleeves and 200 gram insulation in the body to zip and snap into Gore-Tex waist length Overshell.

CLASSIFICATION

* **All Liners**

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The shell shall be 100% nylon. The lining shall be 100% nylon, Insulation – Thinsulate Forest Green.
- * **Linings:** The shell shall be fully lined.
- * **Thread:** All thread shall be minimum size 60/36.
- * **Zippers:** The front shall have a 1 way separating reversible zipper compatible with the inside zipper track on the Gore-tex Overshell.
- * **Labels:** See general reference and requirements sheet.

Detail Design Characteristics

- * **Collar:** The collar and collar lining shall be made from Talsan shell fabric and interlined with two layers of 150 gram Thinsulate. The collar shall be 2" at the center back and taper to 0" at both ends. The collar shall be 18" across the top.
- * **Front:** The front shall have a 1 way separating reversible zipper compatible with the inside zipper track on the Gore-tex Overshell. The outer front shall be plain and the lining channel quilted with Goose down and baffled. The lower front shall have two male snaps located approximately 1" from the side and compatible with the female snaps on the inner lining of the Gore-Tex Overshell.
- * **Side Vents:** The side vents shall be 15.5" long and shall be open to be compatible with side vents on the Gore-Tex Overshell. The edges of the vent shall be bound with shell fabric in conjunction with binding the liner bottom on the front and back.
- * **Back:** The back shall be plain and shall be 24" at the center back from collar seam to bottom edge. There shall be one male snap located approximately 1" down from the collar seam. This snap shall be compatible with the female snap located in the center back of the Gore-Tex Overshell.
- * **Sleeves:** The sleeves shall be raglan, one piece construction. The sleeve shall be 5" wide at the collar seam and shall be 29" long from collar seam to the cuff. A knitted cuff; 3" wide shall be sewn into the lining/outer shell seam. Two male snaps (one snap on each sleeve) shall be located approximately 1" from the cuff and compatible with the female snaps on the Gore-Tex Overshell.

ATTACHMENT B

* **Cuffs:** A knitted cuff; 3" wide shall be sewn into the lining/outer shell seam.

Sizes and Measurements

Sizes: Male: Regular S-XXL to match shell size
Long M-XXL to match shell size

Female: S-XL to match shell size

ATTACHMENT B

N353 Liner, Male's Goose Down Overshell

Specifications are identical for the following other component:

N354 Liner, Female's Goose Down Overshell

Sample Sizes: Large Regular

GENERAL DESCRIPTION

Nylon taffeta goose down liner. Features goose down insulation in the sleeves and body to zip and snap into Overshell.

CLASSIFICATION

* All Liners

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The Shell shall be 100% nylon. The lining shall be 100% nylon. The interfill shall be Goose Down according to ASTM D4522 specifications for feather filled and down filled products. Testing methods used for feather filled and down filled products can be found in ASTM D4524. Forest Green.
- * **Linings:** The shell shall be fully lined.
- * **Thread:** All thread shall be minimum size 60/36.
- * **Zippers:** The front shall have a 1 way separating reversible zipper compatible with the inside zipper track on the overshell.
- * **Labels:** See general reference and requirements sheet.

General Instructions

Detail Design Characteristics

- * **Collar:** The collar and collar lining shall be made from talsan shell fabric and interlined with two layers of 150 gram thinsulate. The collar shall be 2" at the center back and taper to 0" at both ends. The collar shall be 19" (male) and 17" (female) across the top.
- * **Front:** The front shall have a 1 way separating reversible zipper compatible with the inside zipper track on the overshell. The outer front shall be plain and the lining channel quilted with goose down and baffled. The lower front shall have two male snaps located approximately 1" from the side and compatible with the female snaps on the inner lining of the overshell.
- * **Side Vents:** The side vents shall be 17" (male)/13" (female) long and shall be open to be compatible with side vents on the overshell. The edges of the vent shall be bound with shell fabric in conjunction with binding the liner bottom on the front and back.
- * **Back:** The back shall be plain and shall be 31" (male)/27" (female) at the center back from collar seam to bottom edge. There shall be one male snap located approximately 1" down from the collar seam. This snap shall be compatible with the female snap located in the center back of the overshell.

ATTACHMENT B

- * **Sleeves:** The sleeves shall be raglan, one-piece construction. The sleeve shall be 5" wide at the collar seam and shall be 28 1/4" long from collar seam to the cuff. A knitted cuff; 3" wide shall be sewn into the lining/outer shell seam. Two male snaps (one snap on each sleeve) shall be located approximately 1" from the cuff and compatible with the female snaps on the Overshell.

Sizes and Measurements

Sizes: S, M, L, XL and XXL in regular and long to match shell size.

ATTACHMENT B

N354 Liner, Female's Goose Down Overshell

Specifications are identical for the following other components:

N353 Liner, Male's Goose Down Overshell

Sample Sizes: Large Regular

GENERAL DESCRIPTION

Nylon taffeta goose down liner. Features goose down insulation in the sleeves and body to zip and snap into Overshell.

CLASSIFICATION

* All Liners

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The Shell shall be 100% nylon. The lining shall be 100% nylon. The interfill shall be Goose Down. Forest Green.
- * **Linings:** The shell shall be fully lined.
- * **Thread:** All thread shall be minimum size 60/36.
- * **Zippers:** The front shall have a 1 way separating reversible zipper compatible with the inside zipper track on the overshell.
- * **Labels:** See general reference and requirements sheet.

General Instructions

Detail Design Characteristics

- * **Collar:** The collar and collar lining shall be made from talsan shell fabric and interlined with two layers of 150 gram thinsulate. The collar shall be 2" at the center back and taper to 0" at both ends. The collar shall be 19" (male) and 17" (female) across the top.
- * **Front:** The front shall have a 1 way separating reversible zipper compatible with the inside zipper track on the overshell. The outer front shall be plain and the lining channel quilted with goose down and baffled. The lower front shall have two male snaps located approximately 1" from the side and compatible with the female snaps on the inner lining of the overshell.
- * **Side Vents:** The side vents shall be 17" (male)/13" (female) long and shall be open to be compatible with side vents on the overshell. The edges of the vent shall be bound with shell fabric in conjunction with binding the liner bottom on the front and back.
- * **Back:** The back shall be plain and shall be 31" (male)/27" (female) at the center back from collar seam to bottom edge. There shall be one male snap located approximately 1" down from the collar seam. This snap shall be compatible with the female snap located in the center back of the overshell.

ATTACHMENT B

- * **Sleeves:** The sleeves shall be raglan, one-piece construction. The sleeve shall be 5" wide at the collar seam and shall be 28 1/4" long from collar seam to the cuff. A knitted cuff; 3" wide shall be sewn into the lining/outer shell seam. Two male snaps (one snap on each sleeve) shall be located approximately 1" from the cuff and compatible with the female snaps on the Overshell.

Sizes and Measurements

Sizes: S, M, L, XL and XXL in regular and long to match shell size.

ATTACHMENT B

N355 Liner, Male, Black 5 Oz. Twill Work Jacket

Specifications are identical for the following other component:

N356 Liner, Female, Black 5 Oz. Twill Work Jacket

Sample Size: Male-Small, Female-Large

GENERAL DESCRIPTION

Quilted Jacket Liner

TYPE	*- All Liners	Type I—Male	Type II—Female
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CLASSIFICATION

* **All Liners**

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The body shall be Black 5 ounce bonded polyester fiberfill 3" point to point Diamond quilted with 70 denier nylon taffeta face and 50 denier nylon taffeta back. The sleeves shall be Black 3 ounce bonded polyester fiberfill 3" point Diamond quilted with 70 denier nylon taffeta face and 50 denier nylon taffeta back.
- * **Thread:** The entire garment shall be sewn with polycore or 100% spun polyester thread.
- * **Zippers:** There shall be an interlining zipper, double shrunk, center marked, and interchangeable attached to the liner. The zipper shall be of sufficient length to be satisfactorily attached to the facing of the jacket.

General Instructions

- * **Stitching:** The exposed body seams shall be bound with 1 9/16" black rayon bias binding. The side seams, shoulder seams, and sleeve seams shall be joined with a serge sew safety stitch machine.

Detail Design Characteristics

- * **Front:** The lining is curved at the base of the zipper.
- * **Sleeves:** Bound with 9/16" black rayon bias binding.

Sizes and Measurements

- I-*** **Sizes:** Regular S-XXXL, Long M-XXXL to match jacket size
- II-*** **Sizes:** Regular XSR-XXL, Long S-XX to match jacket size

ATTACHMENT B

N356 Liner, Female, Black 5 Oz. Twill Work Jacket

Specifications are identical for the following other component:

N355 Liner, Male, Black 5 Oz. Twill Work Jacket

Sample Size: Male-Small, Female-Large

GENERAL DESCRIPTION

Quilted Jacket Liner

TYPE	*- All Liners	Type I—Male	Type II—Female
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CLASSIFICATION

* **All Liners**

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The body shall be Black 5 ounce bonded polyester fiberfill 3" point to point Diamond quilted with 70 denier nylon taffeta face and 50 denier nylon taffeta back. The sleeves shall be Black 3 ounce bonded polyester fiberfill 3" point Diamond quilted with 70 denier nylon taffeta face and 50 denier nylon taffeta back.
- * **Thread:** The entire garment shall be sewn with polycore or 100% spun polyester thread.
- * **Zippers:** There shall be an interlining zipper, double shrunk, center marked, and interchangeable attached to the liner. The zipper shall be of sufficient length to be satisfactorily attached to the facing of the jacket.

General Instructions

- * **Stitching:** The exposed body seams shall be bound with 1 9/16" black rayon bias binding. The side seams, shoulder seams, and sleeve seams shall be joined with a serge sew safety stitch machine.

Detail Design Characteristics

- * **Front:** The lining is curved at the base of the zipper.
- * **Sleeves:** Bound with 9/16" black rayon bias binding.

Sizes and Measurements

- I-*** **Sizes:** Regular S-XXXL, Long M-XXXL to match jacket size
- II-*** **Sizes:** Regular XSR-XXL, Long S-XX to match jacket size

ATTACHMENT B

N357 through N364 Name Bars

Sample Size: One size each.

GENERAL DESCRIPTION

Nametags shall be made in six forms:

N357	"I Sign" Name Bar
N358	Service Name Bar
N359	Sign Language Interpreter Name Bar
N360	Language Interpreter Name Bar (two languages)
N361	Language Interpreter Name Bar (more than two languages)
N362	Uniform Name Tag
N363	VIP Name Bar
N364	Volunteer Recognition Name Bar

TYPE ITEMS: *--Male and Female

CLASSIFICATION

* **All Name Bars**

SALIENT CHARACTERISTICS

Components

Type-Class: N/A

- * **Basic Material:** The material shall be Brass alloy #342 - 65% copper, 2% lead and 33% zinc with a high brass finish.
- * **Attaching Device:** The pin shall be 5/16", triple grooved adjustable lock type, electron fused. The two grippers shall be #200 ballou clutch type grippers or equal. Attaching pins shall be set exactly 1 13/16" apart.

General Instructions

- * **Metal Finishing:** Blanks shall be tumble deburred, smooth along all edges and corners. Front surfaces shall be grease buffed and polished to a high luster.

Detail Design Characteristics

- * **Dimensions:** All blanks shall be 2 1/2" long and 5/16" tall.
- * **Engraving:** Engraving shall be done in pantograph plain gothic medium extended letters, 7/23 inch height, .020 line width, .015 depth. First and last name shall be engraved when space permits. If space is not sufficient or, if requested by the individual, the first initial and last name shall be engraved.
- * **Plating and Coating:** Electroplate gold hamilton shading; spray and bake on two coatings of clear epoxy baking lacquer.
- * **Letter Filing:** Brown, PMS 463 air-dry duco enamel, coloring in lettering.

ATTACHMENT B

N369 Name Tag, Green with Brown Letters

Sample Size: One Size.

GENERAL DESCRIPTION

Cloth nametag, 1" wide by 4" long.

TYPE ITEMS: *--Male and Female

CLASSIFICATION

* All

SALIENT CHARACTERISTICS

Components

Type-Class

* **Basic Material:** The material shall be Graniteville #351Chetopa IV, 8 ounce per square yard weight, National Park Service green.

* **Backing Material:** The basic fabric, Buckram Cheesecloth (24x24) Polyester, shall be heat bonded with 5 mil polyurethane to prevent shrinkage or shape distortion.

General Instructions

Detail Design Characteristics

* **Border:** Each name tag shall be finished with a merrowed border in a density of 24 to 28 stitches per inch. Border thread shall be 1200 denier, two or three ply rayon with a 100% cotton mercerized three core. Bottom thread to be .007 mil nylon. All border threads shall be color #1900 copper brown. Merrow end shall be clipped and glued to backing.

* **Name:** Each name shall be embroidered with white, clark trusew polyester #V 15, using first initial and last name in upper case block **san serif** letters with a height of 40 and a minimum density of 99. The quality of lettering shall be equal to or greater than that provided by an Ultramatic computerized embroidery machine.

ATTACHMENT B

N378 Overshell, Male, Green Gore-Tex Hip Length with Badge Tab

Specifications are identical for the following other components:

N379 Overshell, Male, Green Gore-Tex Hip Length without Badge Tab

N382 Overshell, Female, Green Gore-Tex Hip Length with Badge Tab

N383 Overshell, Female, Green Gore-Tex Hip Length without Badge Tab

Sample Size: All dimensions are based on Male size L.

GENERAL DESCRIPTION

The garment is a Raven or equal, hip length, Gore-Tex overshell with a front storm flap, a two-way zipper, and snap closures. The overshell has an adjustable waist cord, zippered side vents, two outside hand pockets and two inside pockets. The overshell is fully lined and uninsulated. Variations of the Garment shall include male and female, with and without badge & name tabs.

TYPE ITEMS: *--All Shells Type I—Male Type II—Female

CLASSIFICATION NPS # (M/F)

*	All Shells	*
A	with Badge Tab	N378/N382
B	without Badge Tab	N379/N383

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The material shall be 100% Nylon-bonded to Gore-Tex film, Forest Green.
- * **Linings:** The overshell shall be fully lined.
- * **Snaps:** The snaps shall be 24 line with a matching outer shell color enamel finish.
- * **Zippers:** The front zipper shall be a plastic scoop type, size 8 or equal. The zipper shall have single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be 3/4" wide. The pocket zippers shall be plastic continuous element style, size 5 or equal. The zippers shall be 7" long with long tab, single pull sliders. The tape shall be 5/8" wide. The side vent zippers shall be 16" long Vislon plastic scoop type size 5 or equal.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Stitching:** All stitching shall be lockstitch type 301. Sleeves shall be set to front and back panels with full fell seams, 1/4" gauge. All closing seams shall be hot air sealed with Gore-Tex sealing tape on the inside of the parka shell. Sealed seams and stitching shall show no leakage.

ATTACHMENT B

Detail Design Characteristics

- * **Collar:** The collar and collar lining shall be made from outer shell fabric and interlined with a compatible nonwoven fabric. The top of the collar shall align with the top of the front weather flaps. Collar front edges shall be 3 ½" wide and 3 ½" wide at center back. Collar top shall be edge stitched ¼" gauge and shall be 25 ¾" across the top. Four male snaps shall be located 1" up from the collar seam with two located 2 ¼" and two located 6 7/8" to either side of the back centerline. A knitted collar shall be sewn into the inner collar seam and shall be 17 1/2" wide. The knitted collar shall be 2" high at center back and tapered off on each side. A 3/8" wide by 2" long black nylon tape hanger loop shall be sewn into the inside collar seam at center back.
- * **Front:** The front shall have a two-way zippered closure from 1/2" below the top of the collar to within 2 ½" of the bottom edge. The front length shall be a minimum of 32" long. The front zipper shall be 29 ½" long. The under (right) flap shall be 1" wide and 32" long and shall be sewn between the lining and the right zipper tape and shell fabric on the right front. The outer (left) flap shall be 2 ¼" wide and 32" long and shall be sewn between the outer shell and the left zipper tape and lining fabric. Both flaps shall be interlined with a suitable non-woven fabric and edge stitched ¼" gauge. Seven female snaps shall be located on the outer flap 5/8" from the front edge. Top and bottom snaps shall be 5/8" from the panel top and bottom edges. The snap second from the top shall be 4 5/8" from the top edge with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located 1 5/8" from the front edge of the under flap in locations corresponding to the female snaps. Half chest shall be 28 ½" wide.
- * **INNER ZIPPER TRACK:** Each front shall have an inside zipper track to allow inserting an insulated liner. The edge of the zipper shall be stitched flat next to the outside zipper. Teeth shall face towards the lining. Bottom ends of zipper shall be backstitched, the slider shall be on the right front with the pull towards the lining. The zipper shall start at the collar seam and is 20" long.
- * **Drawstring:** A concealed drawstring tunnel shall be located at the waistline. The tunnel shall finish 1" wide and run across the back of the parka to the side vents. A 1/8" diameter nylon covered elastic cord shall extend 2" past each eyelet when in a fully relax state. The cord shall be knotted 1" from each end and shall have a 7/32" diameter Barreloc attached to each end close to each eyelet.
- * **Side Vents:** The side vents shall be 17" long and shall be closed with a centered, in-seam 16" zipper. The edges of the vent shall meet and shall be edge stitched, 3/8" gauge. A 2 ¼" wide storm flap shall be sewn into the shell/lining seam with the front zipper tape. The storm flap and lining shall be constructed from shell fabric and shall be interlined with a compatible interlining fabric. The rear edge of the storm flap shall be double needle edge stitched ¼" gauge. A female snap shall be fastened to the bottom rear corner of the storm flap, ½" from each edge. The rear zipper tape shall be caught between the shell and lining of the front edge of the back panel. A female snap shall be fastened in the bottom front corners of the front panel 2 1/4" from zipper, 3 1/2" up from bottom edge.
- *-A **Badge Reinforcement & Name Tab:** Badge and name tabs shall be constructed from the outershell fabric using seam type EF p-2 with lock stitching. The tabs shall finish ½" wide with 3/16 topstitching. The tab ends shall be turned under ¼" and attached to the fronts with 3 rows of running tacks 1/16" from the folded edge. The badge tab shall be 1 ¾" long with two eyelets centered, ¾" apart. The badge tab shall be located on the left front in vertical alignment with the inner edge 5 ½" from the left front edge and the top edge 4 ½" below the front shoulder seam. The name tab shall be 3 1/4" long with two eyelets centered, 1 7/8" apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3 ½" from the front zipper tape and the top edge 6" below the front shoulder seam.
- * **Slash Pockets:** A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be 4 1/4" above the bottom front hem and 2 3/8" from the side seam. The top of the pocket opening shall be 11 1/2" from the bottom hem and 3" from the side seam. The opening shall be 9" long. The welt shall be 7" long and 2 ½" wide. Welt edges shall be topstitched ¼" gauge. Pocket lining shall be outer shell fabric and shall be 7 ½" deep at center.

ATTACHMENT B

- * **Patch Pockets:** Internal patch pockets shall be located under the left and right front. The pockets shall be approximately 7" wide by 7" deep with a 6" opening. The pockets shall be made from lining fabric. Both pockets shall have either zipper, hook and pile, or both closures.

A hook and pile closed patch pocket shall be 7 ¾" deep and run side seam to front seam with the top level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched 1/16" gauge. The hem shall finish ¾" wide with a 5/8" by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.

- * **Back:** The back shall be plain and shall be 32 ½" long at center back from collar seam to bottom edge.

- * **Sleeves:** The sleeves shall be raglan, one-piece construction. The sleeve head shall be 6" wide at the collar seam and shall be 32 ½" long from collar seam to bottom edge. The sleeve shall be fully lined. The bottom edge of the shell fabric shall be turned up to the inside with the raw edge turned under and topstitched 1/8" gauge. The hem shall finish 7/8" wide. A 5" by 5/8" wide piece of pile tape shall be sewn to the outside of the sleeve on the hem located 2" from the closing seam and ¼" up from the sleeve bottom. A 4 ¼" long tab shall be sewn into the closing seam at the bottom of the sleeve. The tab shall be 1" wide at the closing seam and 1" wide at the end with the diagonal edge up and the straight edge at the bottom in alignment with the bottom edge of the sleeve. A 2" by 1" piece of hook tape shall be sewn to the inside of the tape 1/8" from the bottom edge and ¼" from the tab end. The tab shall be one piece construction from shell fabric and shall be edge stitched 1/8" gauge.

- * **Bottoms:** The bottom outer shell fabric shall be turned up to the inside with raw edge turned under and edge stitched 1/8" gauge. The hem shall be ¾" wide.

- * **Patch:** The patch shall be sewn securely in the center of the left sleeve with the top edge 7 ¼" below the collar seam. The patch shall be sewn with inconspicuous stitching using a brown thread closely matching the emblem border/background color.

Sizes and Measurements

Finished Dimensions

Sizes: *I- Men's: Regular S-XXL Long M-XXL
*II- Female's: S-XL

ATTACHMENT B

N379 Overshell, Male, Green Gore-Tex Hip Length without Badge Tab

Specifications are identical for the following other components:

N378 Overshell, Male, Green Gore-Tex Hip Length with Badge Tab

N382 Overshell, Female, Green Gore-Tex Hip Length with Badge Tab

N383 Overshell, Female, Green Gore-Tex Hip Length without Badge Tab

Sample Size: All dimensions are based on Male size L.

GENERAL DESCRIPTION

The garment is a Raven or equal, hip length, Gore-Tex overshell with a front storm flap, a two-way zipper, and snap closures. The overshell has an adjustable waist cord, zippered side vents, two outside hand pockets and two inside pockets. The overshell is fully lined and uninsulated. Variations of the Garment shall include male and female, with and without badge & name tabs.

TYPE ITEMS: *--All Shells Type I—Male Type II—Female

CLASSIFICATION NPS # (M/F)

*	All Shells	*
A	with Badge Tab	N378/N382
B	without Badge Tab	N379/N383

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The material shall be 100% Nylon-bonded to Gore-Tex film, Forest Green.
- * **Linings:** The overshell shall be fully lined.
- * **Snaps:** The snaps shall be 24 line with a matching outer shell color enamel finish.
- * **Zippers:** The front zipper shall be a plastic scoop type, size 8 or equal. The zipper shall have single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be 3/4" wide. The pocket zippers shall be plastic continuous element style, size 5 or equal. The zippers shall be 7" long with long tab, single pull sliders. The tape shall be 5/8" wide. The side vent zippers shall be 16" long Vislon plastic scoop type size 5 or equal.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Stitching:** All stitching shall be lockstitch type 301. Sleeves shall be set to front and back panels with full fell seams, 1/4" gauge. All closing seams shall be hot air sealed with Gore-Tex sealing tape on the inside of the parka shell. Sealed seams and stitching shall show no leakage.

ATTACHMENT B

Detail Design Characteristics

- * **Collar:** The collar and collar lining shall be made from outer shell fabric and interlined with a compatible nonwoven fabric. The top of the collar shall align with the top of the front weather flaps. Collar front edges shall be 3 1/2" wide and 3 1/2" wide at center back. Collar top shall be edge stitched 1/4" gauge and shall be 25 3/4" across the top. Four male snaps shall be located 1" up from the collar seam with two located 2 1/4" and two located 6 7/8" to either side of the back centerline. A knitted collar shall be sewn into the inner collar seam and shall be 17 1/2" wide. The knitted collar shall be 2" high at center back and tapered off on each side. A 3/8" wide by 2" long black nylon tape hanger loop shall be sewn into the inside collar seam at center back.
- * **Front:** The front shall have a two-way zippered closure from 1/2" below the top of the collar to within 2 1/2" of the bottom edge. The front length shall be a minimum of 32" long. The front zipper shall be 29 1/2" long. The under (right) flap shall be 1" wide and 32" long and shall be sewn between the lining and the right zipper tape and shell fabric on the right front. The outer (left) flap shall be 2 1/4" wide and 32" long and shall be sewn between the outer shell and the left zipper tape and lining fabric. Both flaps shall be interlined with a suitable non-woven fabric and edge stitched 1/4" gauge. Seven female snaps shall be located on the outer flap 5/8" from the front edge. Top and bottom snaps shall be 5/8" from the panel top and bottom edges. The snap second from the top shall be 4 5/8" from the top edge with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located 1 5/8" from the front edge of the under flap in locations corresponding to the female snaps. Half chest shall be 28 1/2" wide.
- * **INNER ZIPPER TRACK:** Each front shall have an inside zipper track to allow inserting an insulated liner. The edge of the zipper shall be stitched flat next to the outside zipper. Teeth shall face towards the lining. Bottom ends of zipper shall be backstitched, the slider shall be on the right front with the pull towards the lining. The zipper shall start at the collar seam and is 20" long.
- * **Drawstring:** A concealed drawstring tunnel shall be located at the waistline. The tunnel shall finish 1" wide and run across the back of the parka to the side vents. A 1/8" diameter nylon covered elastic cord shall extend 2" past each eyelet when in a fully relax state. The cord shall be knotted 1" from each end and shall have a 7/32" diameter Barreloc attached to each end close to each eyelet.
- * **Side Vents:** The side vents shall be 17" long and shall be closed with a centered, in-seam 16" zipper. The edges of the vent shall meet and shall be edge stitched, 3/8" gauge. A 2 1/4" wide storm flap shall be sewn into the shell/lining seam with the front zipper tape. The storm flap and lining shall be constructed from shell fabric and shall be interlined with a compatible interlining fabric. The rear edge of the storm flap shall be double needle edge stitched 1/4" gauge. A female snap shall be fastened to the bottom rear corner of the storm flap, 1/2" from each edge. The rear zipper tape shall be caught between the shell and lining of the front edge of the back panel. A female snap shall be fastened in the bottom front corners of the front panel 2 1/4" from zipper, 3 1/2" up from bottom edge.
- *-A **Badge Reinforcement & Name Tab:** Badge and name tabs shall be constructed from the outershell fabric using seam type EF p-2 with lock stitching. The tabs shall finish 1/2" wide with 3/16" topstitching. The tab ends shall be turned under 1/4" and attached to the fronts with 3 rows of running tacks 1/16" from the folded edge. The badge tab shall be 1 3/4" long with two eyelets centered, 3/4" apart. The badge tab shall be located on the left front in vertical alignment with the inner edge 5 1/2" from the left front edge and the top edge 4 1/2" below the front shoulder seam. The name tab shall be 3 1/4" long with two eyelets centered, 1 7/8" apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3 1/2" from the front zipper tape and the top edge 6" below the front shoulder seam.
- * **Slash Pockets:** A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be 4 1/4" above the bottom front hem and 2 3/8" from the side seam. The top of the pocket opening shall be 11 1/2" from the bottom hem and 3" from the side seam. The opening shall be 9" long. The welt shall be 7" long and 2 1/2" wide. Welt edges shall be topstitched 1/4" gauge. Pocket lining shall be outer shell fabric and shall be 7 1/2" deep at center.

ATTACHMENT B

- * **Patch Pockets:** Internal patch pockets shall be located under the left and right front. The pockets shall be approximately 7" wide by 7" deep with a 6" opening. The pockets shall be made from lining fabric. Both pockets shall have either zipper, hook and pile, or both closures.

A hook and pile closed patch pocket shall be 7 ¾" deep and run side seam to front seam with the top level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched 1/16" gauge. The hem shall finish ¾" wide with a 5/8" by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.

- * **Back:** The back shall be plain and shall be 32 ½" long at center back from collar seam to bottom edge.

- * **Sleeves:** The sleeves shall be raglan, one-piece construction. The sleeve head shall be 6" wide at the collar seam and shall be 32 ½" long from collar seam to bottom edge. The sleeve shall be fully lined. The bottom edge of the shell fabric shall be turned up to the inside with the raw edge turned under and topstitched 1/8" gauge. The hem shall finish 7/8" wide. A 5" by 5/8" wide piece of pile tape shall be sewn to the outside of the sleeve on the hem located 2" from the closing seam and ¼" up from the sleeve bottom. A 4 ¼" long tab shall be sewn into the closing seam at the bottom of the sleeve. The tab shall be 1" wide at the closing seam and 1" wide at the end with the diagonal edge up and the straight edge at the bottom in alignment with the bottom edge of the sleeve. A 2" by 1" piece of hook tape shall be sewn to the inside of the tape 1/8" from the bottom edge and ¼" from the tab end. The tab shall be one piece construction from shell fabric and shall be edge stitched 1/8" gauge.

- * **Bottoms:** The bottom outer shell fabric shall be turned up to the inside with raw edge turned under and edge stitched 1/8" gauge. The hem shall be ¾" wide.

- * **Patch:** The patch shall be sewn securely in the center of the left sleeve with the top edge 7 ¼" below the collar seam. The patch shall be sewn with inconspicuous stitching using a brown thread closely matching the emblem border/background color.

Sizes and Measurements

Finished Dimensions

Sizes: *I- Men's: Regular S-XXL Long M-XXL
*II- Female's: S-XL

ATTACHMENT B

N382 Overshell, Female, Green Gore-Tex Hip Length with Badge Tab

Specifications are identical for the following other components:

N378 Overshell, Male, Green Gore-Tex Hip Length with Badge Tab

N379 Overshell, Male, Green Gore-Tex Hip Length without Badge Tab

N383 Overshell, Female, Green Gore-Tex Hip Length without Badge Tab

Sample Size: All dimensions are based on Male size L.

GENERAL DESCRIPTION

The garment is a Raven or equal, hip length, Gore-Tex overshell with a front storm flap, a two-way zipper, and snap closures. The overshell has an adjustable waist cord, zippered side vents, two outside hand pockets and two inside pockets. The overshell is fully lined and uninsulated. Variations of the Garment shall include male and female, with and without badge & name tabs.

TYPE ITEMS: *--All Shells Type I—Male Type II—Female

CLASSIFICATION NPS # (M/F)

*	All Shells	*
A	with Badge Tab	N378/N382
B	without Badge Tab	N379/N383

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The material shall be 100% Nylon-bonded to Gore-Tex film, Forest Green.
- * **Linings:** The overshell shall be fully lined.
- * **Snaps:** The snaps shall be 24 line with a matching outer shell color enamel finish.
- * **Zippers:** The front zipper shall be a plastic scoop type, size 8 or equal. The zipper shall have single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be 3/4" wide. The pocket zippers shall be plastic continuous element style, size 5 or equal. The zippers shall be 7" long with long tab, single pull sliders. The tape shall be 5/8" wide. The side vent zippers shall be 16" long Vislon plastic scoop type size 5 or equal.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Stitching:** All stitching shall be lockstitch type 301. Sleeves shall be set to front and back panels with full fell seams, 1/4" gauge. All closing seams shall be hot air sealed with Gore-Tex sealing tape on the inside of the parka shell. Sealed seams and stitching shall show no leakage.

ATTACHMENT B

Detail Design Characteristics

- * **Collar:** The collar and collar lining shall be made from outer shell fabric and interlined with a compatible nonwoven fabric. The top of the collar shall align with the top of the front weather flaps. Collar front edges shall be 3 1/2" wide and 3 1/2" wide at center back. Collar top shall be edge stitched 1/4" gauge and shall be 25 3/4" across the top. Four male snaps shall be located 1" up from the collar seam with two located 2 1/4" and two located 6 7/8" to either side of the back centerline. A knitted collar shall be sewn into the inner collar seam and shall be 17 1/2" wide. The knitted collar shall be 2" high at center back and tapered off on each side. A 3/8" wide by 2" long black nylon tape hanger loop shall be sewn into the inside collar seam at center back.
- * **Front:** The front shall have a two-way zippered closure from 1/2" below the top of the collar to within 2 1/2" of the bottom edge. The front length shall be a minimum of 32" long. The front zipper shall be 29 1/2" long. The under (right) flap shall be 1" wide and 32" long and shall be sewn between the lining and the right zipper tape and shell fabric on the right front. The outer (left) flap shall be 2 1/4" wide and 32" long and shall be sewn between the outer shell and the left zipper tape and lining fabric. Both flaps shall be interlined with a suitable non-woven fabric and edge stitched 1/4" gauge. Seven female snaps shall be located on the outer flap 5/8" from the front edge. Top and bottom snaps shall be 5/8" from the panel top and bottom edges. The snap second from the top shall be 4 5/8" from the top edge with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located 1 5/8" from the front edge of the under flap in locations corresponding to the female snaps. Half chest shall be 28 1/2" wide.
- * **Inner Zipper Track:** Each front shall have an inside zipper track to allow inserting an insulated liner. The edge of the zipper shall be stitched flat next to the outside zipper. Teeth shall face towards the lining. Bottom ends of zipper shall be backstitched, the slider shall be on the right front with the pull towards the lining. The zipper shall start at the collar seam and is 20" long.
- * **Drawstring:** A concealed drawstring tunnel shall be located at the waistline. The tunnel shall finish 1" wide and run across the back of the parka to the side vents. A 1/8" diameter nylon covered elastic cord shall extend 2" past each eyelet when in a fully relax state. The cord shall be knotted 1" from each end and shall have a 7/32" diameter Barreloc attached to each end close to each eyelet.
- * **Side Vents:** The side vents shall be 17" long and shall be closed with a centered, in-seam 16" zipper. The edges of the vent shall meet and shall be edge stitched, 3/8" gauge. A 2 1/4" wide storm flap shall be sewn into the shell/lining seam with the front zipper tape. The storm flap and lining shall be constructed from shell fabric and shall be interlined with a compatible interlining fabric. The rear edge of the storm flap shall be double needle edge stitched 1/4" gauge. A female snap shall be fastened to the bottom rear corner of the storm flap, 1/2" from each edge. The rear zipper tape shall be caught between the shell and lining of the front edge of the back panel. A female snap shall be fastened in the bottom front corners of the front panel 2 1/4" from zipper, 3 1/2" up from bottom edge.
- *-A **Badge Reinforcement & Name Tab:** Badge and name tabs shall be constructed from the outershell fabric using seam type EF p-2 with lock stitching. The tabs shall finish 1/2" wide with 3/16" topstitching. The tab ends shall be turned under 1/4" and attached to the fronts with 3 rows of running tacks 1/16" from the folded edge. The badge tab shall be 1 3/4" long with two eyelets centered, 3/4" apart. The badge tab shall be located on the left front in vertical alignment with the inner edge 5 1/2" from the left front edge and the top edge 4 1/2" below the front shoulder seam. The name tab shall be 3 1/4" long with two eyelets centered, 1 7/8" apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3 1/2" from the front zipper tape and the top edge 6" below the front shoulder seam.
- * **Slash Pockets:** A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be 4 1/4" above the bottom front hem and 2 3/8" from the side seam. The top of the pocket opening shall be 11 1/2" from the bottom hem and 3" from the side seam. The opening shall be 9" long. The welt shall be 7" long and 2 1/2" wide. Welt edges shall be topstitched 1/4" gauge. Pocket lining shall be outer shell fabric and shall be 7 1/2" deep at center.

ATTACHMENT B

- * **Patch Pockets:** Internal patch pockets shall be located under the left and right front. The pockets shall be approximately 7" wide by 7" deep with a 6" opening. The pockets shall be made from lining fabric. Both pockets shall have either zipper, hook and pile, or both closures.

A hook and pile closed patch pocket shall be 7 ¾" deep and run side seam to front seam with the top level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched 1/16" gauge. The hem shall finish ¾" wide with a 5/8" by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.

- * **Back:** The back shall be plain and shall be 32 ½" long at center back from collar seam to bottom edge.

- * **Sleeves:** The sleeves shall be raglan, one-piece construction. The sleeve head shall be 6" wide at the collar seam and shall be 32 ½" long from collar seam to bottom edge. The sleeve shall be fully lined. The bottom edge of the shell fabric shall be turned up to the inside with the raw edge turned under and topstitched 1/8" gauge. The hem shall finish 7/8" wide. A 5" by 5/8" wide piece of pile tape shall be sewn to the outside of the sleeve on the hem located 2" from the closing seam and ¼" up from the sleeve bottom. A 4 ¼" long tab shall be sewn into the closing seam at the bottom of the sleeve. The tab shall be 1" wide at the closing seam and 1" wide at the end with the diagonal edge up and the straight edge at the bottom in alignment with the bottom edge of the sleeve. A 2" by 1" piece of hook tape shall be sewn to the inside of the tape 1/8" from the bottom edge and ¼" from the tab end. The tab shall be one piece construction from shell fabric and shall be edge stitched 1/8" gauge.

- * **Bottoms:** The bottom outer shell fabric shall be turned up to the inside with raw edge turned under and edge stitched 1/8" gauge. The hem shall be ¾" wide.

- * **Patch:** The patch shall be sewn securely in the center of the left sleeve with the top edge 7 ¼" below the collar seam. The patch shall be sewn with inconspicuous stitching using a brown thread closely matching the emblem border/background color.

Sizes and Measurements

Finished Dimensions

Sizes: *I- Men's: Regular S-XXL Long M-XXL
*II Female's: S-XL

ATTACHMENT B

N383 Overshell, Female, Green Gore-Tex Hip Length without Badge Tab

Specifications are identical for the following other components:

N378 Overshell, Male, Green Gore-Tex Hip Length with Badge Tab

N379 Overshell, Male, Green Gore-Tex Hip Length without Badge Tab

N382 Overshell, Female, Green Gore-Tex Hip Length with Badge Tab

Sample Size: All dimensions are based on Male size L.

GENERAL DESCRIPTION

The garment is a Raven or equal, hip length, Gore-Tex overshell with a front storm flap, a two-way zipper, and snap closures. The overshell has an adjustable waist cord, zippered side vents, two outside hand pockets and two inside pockets. The overshell is fully lined and uninsulated. Variations of the Garment shall include male and female, with and without badge & name tabs.

TYPE ITEMS: *--All Shells Type I—Male Type II—Female

CLASSIFICATION NPS # (M/F)

*	All Shells	*
A	with Badge Tab	N378/N382
B	without Badge Tab	N379/N383

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The material shall be 100% Nylon-bonded to Gore-Tex film, Forest Green.
- * **Linings:** The overshell shall be fully lined.
- * **Snaps:** The snaps shall be 24 line with a matching outer shell color enamel finish.
- * **Zippers:** The front zipper shall be a plastic scoop type, size 8 or equal. The zipper shall have single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be 3/4" wide. The pocket zippers shall be plastic continuous element style, size 5 or equal. The zippers shall be 7" long with long tab, single pull sliders. The tape shall be 5/8" wide. The side vent zippers shall be 16" long Vislon plastic scoop type size 5 or equal.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Stitching:** All stitching shall be lockstitch type 301. Sleeves shall be set to front and back panels with full fell seams, 1/4" gauge. All closing seams shall be hot air sealed with Gore-Tex sealing tape on the inside of the parka shell. Sealed seams and stitching shall show no leakage.

ATTACHMENT B

Detail Design Characteristics

- * **Collar:** The collar and collar lining shall be made from outer shell fabric and interlined with a compatible nonwoven fabric. The top of the collar shall align with the top of the front weather flaps. Collar front edges shall be 3 1/2" wide and 3 1/2" wide at center back. Collar top shall be edge stitched 1/4" gauge and shall be 25 3/4" across the top. Four male snaps shall be located 1" up from the collar seam with two located 2 1/4" and two located 6 7/8" to either side of the back centerline. A knitted collar shall be sewn into the inner collar seam and shall be 17 1/2" wide. The knitted collar shall be 2" high at center back and tapered off on each side. A 3/8" wide by 2" long black nylon tape hanger loop shall be sewn into the inside collar seam at center back.
- * **Front:** The front shall have a two-way zippered closure from 1/2" below the top of the collar to within 2 1/2" of the bottom edge. The front length shall be a minimum of 32" long. The front zipper shall be 29 1/2" long. The under (right) flap shall be 1" wide and 32" long and shall be sewn between the lining and the right zipper tape and shell fabric on the right front. The outer (left) flap shall be 2 1/4" wide and 32" long and shall be sewn between the outer shell and the left zipper tape and lining fabric. Both flaps shall be interlined with a suitable non-woven fabric and edge stitched 1/4" gauge. Seven female snaps shall be located on the outer flap 5/8" from the front edge. Top and bottom snaps shall be 5/8" from the panel top and bottom edges. The snap second from the top shall be 4 5/8" from the top edge with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located 1 5/8" from the front edge of the under flap in locations corresponding to the female snaps. Half chest shall be 28 1/2" wide.
- * **Inner Zipper Track:** Each front shall have an inside zipper track to allow inserting an insulated liner. The edge of the zipper shall be stitched flat next to the outside zipper. Teeth shall face towards the lining. Bottom ends of zipper shall be backstitched, the slider shall be on the right front with the pull towards the lining. The zipper shall start at the collar seam and is 20" long.
- * **Drawstring:** A concealed drawstring tunnel shall be located at the waistline. The tunnel shall finish 1" wide and run across the back of the parka to the side vents. A 1/8" diameter nylon covered elastic cord shall extend 2" past each eyelet when in a fully relaxed state. The cord shall be knotted 1" from each end and shall have a 7/32" diameter Barreloc attached to each end close to each eyelet.
- * **Side Vents:** The side vents shall be 17" long and shall be closed with a centered, in-seam 16" zipper. The edges of the vent shall meet and shall be edge stitched, 3/8" gauge. A 2 1/4" wide storm flap shall be sewn into the shell/lining seam with the front zipper tape. The storm flap and lining shall be constructed from shell fabric and shall be interlined with a compatible interlining fabric. The rear edge of the storm flap shall be double needle edge stitched 1/4" gauge. A female snap shall be fastened to the bottom rear corner of the storm flap, 1/2" from each edge. The rear zipper tape shall be caught between the shell and lining of the front edge of the back panel. A female snap shall be fastened in the bottom front corners of the front panel 2 1/4" from zipper, 3 1/2" up from bottom edge.
- *-A **Badge Reinforcement & Name Tab:** Badge and name tabs shall be constructed from the outershell fabric using seam type EF p-2 with lock stitching. The tabs shall finish 1/2" wide with 3/16" topstitching. The tab ends shall be turned under 1/4" and attached to the fronts with 3 rows of running tacks 1/16" from the folded edge. The badge tab shall be 1 3/4" long with two eyelets centered, 3/4" apart. The badge tab shall be located on the left front in vertical alignment with the inner edge 5 1/2" from the left front edge and the top edge 4 1/2" below the front shoulder seam. The name tab shall be 3 1/4" long with two eyelets centered, 1 7/8" apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3 1/2" from the front zipper tape and the top edge 6" below the front shoulder seam.
- * **Slash Pockets:** A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be 4 1/4" above the bottom front hem and 2 3/8" from the side seam. The top of the pocket opening shall be 11 1/2" from the bottom hem and 3" from the side seam. The opening shall be 9" long. The welt shall be 7" long and 2 1/2" wide. Welt edges shall be topstitched 1/4" gauge. Pocket lining shall be outer shell fabric and shall be 7 1/2" deep at center.

ATTACHMENT B

- * **Patch Pockets:** Internal patch pockets shall be located under the left and right front. The pockets shall be approximately 7" wide by 7" deep with a 6" opening. The pockets shall be made from lining fabric. Both pockets shall have either zipper, hook and pile, or both closures.

A hook and pile closed patch pocket shall be 7 ¾" deep and run side seam to front seam with the top level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched 1/16" gauge. The hem shall finish ¾" wide with a 5/8" by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.

- * **Back:** The back shall be plain and shall be 32 ½" long at center back from collar seam to bottom edge.

- * **Sleeves:** The sleeves shall be raglan, one-piece construction. The sleeve head shall be 6" wide at the collar seam and shall be 32 ½" long from collar seam to bottom edge. The sleeve shall be fully lined. The bottom edge of the shell fabric shall be turned up to the inside with the raw edge turned under and topstitched 1/8" gauge. The hem shall finish 7/8" wide. A 5" by 5/8" wide piece of pile tape shall be sewn to the outside of the sleeve on the hem located 2" from the closing seam and ¼" up from the sleeve bottom. A 4 ¼" long tab shall be sewn into the closing seam at the bottom of the sleeve. The tab shall be 1" wide at the closing seam and 1" wide at the end with the diagonal edge up and the straight edge at the bottom in alignment with the bottom edge of the sleeve. A 2" by 1" piece of hook tape shall be sewn to the inside of the tape 1/8" from the bottom edge and ¼" from the tab end. The tab shall be one piece construction from shell fabric and shall be edge stitched 1/8" gauge.

- * **Bottoms:** The bottom outer shell fabric shall be turned up to the inside with raw edge turned under and edge stitched 1/8" gauge. The hem shall be ¾" wide.

- * **Patch:** The patch shall be sewn securely in the center of the left sleeve with the top edge 7 ¼" below the collar seam. The patch shall be sewn with inconspicuous stitching using a brown thread closely matching the emblem border/background color.

Sizes and Measurements

Finished Dimensions

Sizes: *I- Men's: Regular S-XXL Long M-XXL
*II Female's: S-XL

ATTACHMENT B

N393 Patch, NPS Law Enforcement Badge

Sample Size: N/A

GENERAL DESCRIPTION

Lyon Brothers (or equal) badge-shaped patch, depicting the Department of Interior logo as found on the NPS ranger badge. A bison in the foreground, rising sun in the background, the words "U.S. Department of The Interior" and "March 3, 1849" surrounding the above in a circle, and the words "National Park Ranger" above.

TYPE ITEMS: *--All Patches Type I—Male Type II—Female

CLASSIFICATION

* All Patches

SALIENT CHARACTERISTICS

Components

Type-Class

* **Background Material:** The background material shall be vat dyed 6 ¾ to 7 1/2 ounce/yd 65/35 Poly Cotton cured and preshrunk (resin impregnated and oven cured). Tensile strength shall be a minimum of 150/110pounds. The color of the background material shall be Goldenrod.

* **Buckram:** An open weave buckram or a 40mil coating shall be used prior to embroidery on the loom in conjunction with the base material for stability.

Thread: Embroidery thread shall be continuous filament rayon yarn thread color and denier standards are obtainable from Robin-Anton (R/A# below), 175 Bergen Boulevard, Fairview , New Jersey 07022. Standards are:

* Robison-Anton Color	Cable Color	Denier
Olive Drab 67133 FD-112	Olive HAJ 67134	100/2
Spun Gold 225 FD-75	Goldenlight HG 67107	100/2

General Instructions

* **Embroidering:**

Patches shall be machine embroidered on Shiffli type machines with automats.

For uniformity, all detail shall be the same height, composition, and weight as indicated on the design; stiehle borders shall be the same thickness all the way around the elements they enclose; design features shall be the same height and thickness. Design features shall be clearly delineated; and all materials, elements and colors of the patches shall be of the same construction, size thickness depths, shades and raidinances as those of the established patch design standards.

ATTACHMENT B

* **Stitching:**

Each patch shall contain not less than 4,680 stitches and 9,360 revolutions stitches excluding the stitching in the overlocked merrow edges.

A stitch is defined as the length of thread between two needle entry points. One stitch is further identified as that space on a Schiffli embroidery program roll between two transport holes. One meter equals one hundred stitches. Offerors shall indicate the number of stitches (and revolutions) in their submissions.

Stitch scale shall be of sufficient density as to preclude the “bleeding”, or see through, of the background material, and uneven matting, register, of color elements. There shall be sufficient underlay stitching to give a three-dimensional, high relief appearance, and shall have the exact appearance as the standard sample. No stitch shall be greater than ten millimeters in length. Double thread or any thread of different deniers or plys or composition shall not be permitted.

Over Lock Merrow Edges: Overlocked merrow edges shall be applied to the patches after the loom operation. Zig-zag stitches, in the configuration of alternating V’s and inverted V’s, supported by running stitches shall be applied around the entire periphery of the individual patches, under the overlocked merrow edge, to prevent the merrow edge from pulling away from the base material. Straight line running stitches alone shall not serve this purpose, buttonhole stitched edges under the merrow edges do not meet this requirement.

The edges shall consist of seven separate threads: five 150.2 denier rayon threads for the top, or front, portion of the edges, and two 20/2 denier cotton threads for the underneath, or back side, of the edges. Fewer threads or other materials are not permitted.

The overlocked merrow edge density shall be at least twenty threads per inch. The edges shall be overrun a minimum of 3/8”, and the seven end threads shall be pulled through the entire length of the overrun to prevent raveling. Threads shall not be pasted down, taped, knotted, tied, fused into, or onto, or under the plastic film backing, cut off, tucked under, or chained off, but all seven thread shall be pulled through the entire length of the overrun.

* The color of the merrow yarn shall match the standard sample.

* **Finishing:** A four mil polyurethane film sheet shall be bonded to the back side of the patches before die cutting. Sufficient heat shall be applied to cause the film to melt and bond to the fabric and bobbin threads. The film shall be capable of withstanding home, commercial and industrial laundering. The film shall not stiffen nor crack during laundering.

The film shall be applied in a manner to preclude the crushing, flattening, or depressing of the three-dimensionality or high relief of the embroidery, caused by the application of pressure during the bonding process; not shall there be jump stitch indentations on the fronts of the patches. The film sheet shall be applied to the span of loom patches prior to cutting. The finished patches shall be scissors cut to the exact shape.

* **Workmanship:** No distortion of the exterior shape of the patch is allowable. All patches shall show a clear-cut execution, and shall be clean, neatly made, with full tension on all threads so that they lie completely flat on a smooth surface. Threads shall not buckle nor show underlay stitching when patches are bent. There shall be no broken stitches in the patches; nor shall any stitches be out of proper alignment. No parts of the patches shall be mended.

ATTACHMENT B

- * **Production Samples:** Submit 12 each actual loom production lots to the Agency COTR for approval prior to shipment.

Sizes and Measurements

Finished Dimensions

- * Large patches shall measure 2 9/16" at the widest part by 3 1/16" high at the highest point.

ATTACHMENT B

N400 Patch, NPS Arrowhead, Small

Sample Size: N/A

GENERAL DESCRIPTION

Lyon Brothers arrowhead-shaped patch, or equal, depicting a giant sequoia tree, mountain, lake and bison, with the lettering "National Park Service" located on the upper right portion of the patch conforming to standard sample provided by NPS.

TYPE ITEMS: *--All Patches Type I—Male Type II—Female

CLASSIFICATION

* All Patches

SALIENT CHARACTERISTICS

Components

* **Background Material:** The background material shall be vat dyed 6 ¾ to 7 1/2 ounce/yd 65/35 Poly Cotton cured and preshrunk, resin impregnated and oven cured. Tensile strength shall be a minimum of 150/110pounds. The color of the background material shall be PMS-471 brown.

* **Buckram:** An open weave buckram shall be used on the loom in conjunction with the base material for stability..

Thread: Embroidery thread shall be continuous filament rayon yarn Thread color and denier standards are obtainable from Robin-Anton (R/A# below), 175 Bergen Boulevard, Fairview, New Jersey 07022. Standards are:

* COLOR R/A	DENIER
Brown PMS 471	150/2
White	100/2
Green 342	150/2

General Instructions

* **Embroidering:**

Patches shall be machine embroidered on Shiffli type machines with automats.

For uniformity, all detail shall be the same height, composition, and weight as indicated on the design; stiehle borders shall be the same thickness all the way around the elements they enclose; design features shall be the same height and thickness. Design features shall be clearly delineated; and all materials, elements and colors of the patches shall be of the same construction, size thickness depths, shades and raidainces as those of the established patch design standards.

ATTACHMENT B

* **Stitching:**

Each patch shall contain not less than 6,000 stitches excluding the stitching in the overlapped merrow edges.

A stitch is defined as the length of thread between two needle entry points. One stitch is further identified as that space on a Schiffli embroidery program roll between two transport holes. One meter equals one hundred stitches. Offerors shall indicate the number of stitches, and revolutions, in their submissions.

Stitch scale shall be of sufficient density as to preclude the "bleeding", or see through, of the background material, and uneven matting, register, of color elements. There shall be sufficient underlay stitching to give a three-dimensional, high relief appearance, and shall have the exact appearance as the standard sample. No stitch shall be greater than ten millimeters in length. Double thread or any thread of different deniers or plys or composition shall not be permitted.

Over Lock Merrow Edges: Overlapped merrow edges shall be applied to the patches after the loom operation. Zig-zag stitches, in the configuration of alternating V's and inverted V's, supported by running stitches shall be applied around the entire periphery of the individual patches, under the overlapped merrow edge, to prevent the merrow edge from pulling away from the base material. Straight line running stitches alone shall not serve this purpose, buttonhole stitched edges under the merrow edges do not meet this requirement.

The edges shall consist of seven separate threads: five 150.2 denier rayon threads for the top, or front, portion of the edges, and two 20/2 denier cotton threads for the underneath, or back side, of the edges. Fewer threads or other materials are not permitted.

The overlapped merrow edge density shall be at least twenty threads per inch. The edges shall be overrun a minimum of 3/8", and the seven end threads shall be pulled through the entire length of the overrun to prevent raveling. Threads shall not be pasted down, taped, knotted, tied, fused into, or onto, or under the plastic film backing, cut off, tucked under, or chained off, but all seven thread shall be pulled through the entire length of the overrun.

* The color of the merrow yarn shall match the standard sample.

* **Finishing:** A four mil polyurethane film sheet shall be bonded to the back side of the patches before die cutting. Sufficient heat shall be applied to cause the film to melt and bond to the fabric and bobbin threads. The film shall be capable of withstanding home, commercial and industrial laundering. The film shall not stiffen nor crack during laundering.

The film shall be applied in a manner to preclude the crushing, flattening, or depressing of the three-dimensionality or high relief of the embroidery, caused by the application of pressure during the bonding process; not shall there be jump stitch indentations on the fronts of the patches. The film sheet shall be applied to the span of loom patches prior to cutting. The finished patches shall be scissors cut to the exact shape.

* **Workmanship:** No distortion of the exterior shape of the patch is allowable. All patches shall show a clear-cut execution, and shall be clean, neatly made, with full tension on all threads so that they lie completely flat on a smooth surface. Threads shall not buckle nor show underlay stitching when patches are bent. There shall be no broken stitches in the patches; not shall any stitches be out of proper alignment. No parts of the patches shall be mended.

* **Production Samples:** Submit 12 actual loom production lots to the Agency COTR for approval prior to shipment.

ATTACHMENT B

N405 Raincoat, Male, Green Urethane coated Nylon

Specifications are identical for the following other component:

N624 Raincoat, Female, Green Urethane coated Nylon

Sample Size: All dimensions based on size L(male) / M(female)

GENERAL DESCRIPTION

Raincoat with cape shoulders, raglan sleeves and fully vented yoke. Front zipper closure and side pass through openings with zipper closures and slash-through pockets.

TYPE * - All Raincoats Type I Male. Type II Female.

CLASSIFICATION

* All Raincoats

SALIENT CHARACTERISTICS

Components

Type-Class

* **Basic Materials:**

Shell - Forest Green coated nylon, 104 x 86 ends and picks, 70 denier 1-1/2 ounce urethane coated fabric. Weight with coating shall be 3-1/4 ounces per yard.

Lining - Husky 66 ends by 52 picks per inch oxford cloth made from 200 denier yarn and coated with a 1-1/2 ounce urethane coating. Fabric weight with coating shall be 4-1/2 ounces per yard.

Vent - 100% nylon mesh.

* **Lining:** The raincoat shall be completely lined (except for the collar) with the inner shell material and a separate piece of vent material. The lining construction shall be the same as for the outer shell construction.

* **Thread:** The thread for all operations shall be cotton core polyester wrapped. The color shall match the respective fabrics.

* **Front Zipper:** The zipper shall be 27" long, double action, reversible, black, #5 molded. The zipper shall start at the neckline and be caught between the outer and inner shells and sewn together with stitch type 301.

* **Side Zipper:** The zipper shall be constructed inseam with tightly closing edges. The zipper shall be a #5, reversible pull, nylon coil, 15" long. The zipper shall be caught between edges of the outer and inner shells and the three layers sewn together with stitch type 301.

* **Label:** See general reference and requirements sheet.

General Instructions

* **Stitching:** The stitches shall be 8 to 12 per inch for all seams.

ATTACHMENT B

Detail Design Characteristics

- * **Front:** A plain front with centered zipper. The front shall be 44" long from neckline seam to bottom hem at front center for size medium. Length of other sizes shall be proportional to fit 5 to 8" below the knee. The front vent shall extend from the neckline down 8" and from center fronts around the back and shall be caught in underarm seams. The vent shall be joined to the front panel. A separate yoke piece that is a part of the raglan sleeve shall completely cover and overlap the vent material extending down 1 3/4" below the vent front panel seam. Both front panels shall have slash-through pockets with pocket bag, placed vertically with a pocket welt of 1 3/4" long wide by 9" long.
- * **Side Openings:** Side openings shall finish 15 1/2" long starting 5 1/2" below the underarm seam.
- * **Collar:** The collar and collar lining shall be constructed from the outer shell material. The interliner shall be of coated oxford. The collar point shall finish 5" long and the collar at center back shall be 4 3/8" wide. The collar shall be topstitched 3/8" from the edge.
- * **Back:** One piece back panel shall extend side seam to side seam and bottom hem up to within 8" of neckline seam. The top of the back panel shall be sewn to the bottom of a piece of vent material. The one-piece vent material shall extend from the top of the back panel to the neckline seam and shall be continuous from the right center front across the back to the left center front. The back yoke shall be a continuation of the one-piece raglan sleeves and shall be joined at the center back. A 1 3/4" wide binding shall be attached to the bottom of edge of the yoke such that it extends 2" below the back panel/vent material seam. The binding shall extend from the underarm seam to underarm seam. A 2" piece of 1/4" wide elastic shall be caught in the center back inside edge of the binding and tacked down to the upper edge of the back panel.
- * **Sleeves:** The style shall be one piece raglan sleeves. The raglan shall extend from the bottom edge of the sleeve to the neckline and along the neckline to form the back yokes. 3/8" elastic shall be shirred into the sleeve bottoms.
- * **Bottom:** The outer and inner shell fabrics shall be stitched face to face then topstitched 3/8" from the edge. Stitch type shall be 301.
- * **Patch:** A NPS arrowhead shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 9 1/2" from collar seam. The patch shall be sewn with inconspicuous stitching using a brown thread closely matching the patch background color.

Sizes and Measurements

Sizes

I-*	Male:	Regular	S-XXL
		Long	M-XXL
II-*	Female:		S-XL

ATTACHMENT B

N411 Overshell, Male, Gore-Tex, Waist Length with Badge Tab

Specifications are identical for the following other components:

N412 Overshell, Male, Gore-Tex, Waist Length without Badge Tab

N414 Overshell, Female Gore-Tex, Waist Length with Badge Tab

N415 Overshell, Female Gore-Tex, Waist Length without Badge Tab

Sample Size: All dimensions are based on Male size XL-R and Female size L-R

GENERAL DESCRIPTION

Raven Industries (or equal) waist length waterproof breathable jacket shell with a double front storm flap and a 2-way zipper and snap closures. The shell has two outside hand pockets, two inside pockets, and a shirred waistband. The shell is fully lined, uninsulated, and has an inside zipper for a zip-in-liner. The shells are designed to be worn over an insulated zip-in liner: Nylon Taffeta Thinsulate Liner Waist Length. Variations of this garment shall include male and female, with and without badge tab.

TYPE ITEMS: *--All Shells Type I—Male Type II—Female

CLASSIFICATION NPS # (M/F)

*	All Shells	*
A	with BT	N411/N414
B	without BT	N412/N415

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The material shall be 100% Taslon Nylon – bonded to Gore-Tex film, Forest Green.
- * **Linings:** The shell shall be fully lined with a female snap 1” down from collar seam centered on lining back.
- * **Thread:** All thread shall be minimum size 60/36.
- * **Buttons:** The snaps shall be 20-ligne underpart with 24-ligne caps with a matching outershell color enamel finish.
- I-* **Zippers:** The front zipper shall be a plastic scoop type size 8 or equal. The zipper shall have a single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be 5/8” wide. The inner pocket zippers shall be plastic continuous element style and the outer pocket zippers shall be continuous element style size 5 or equal. The pocket zippers shall be 7” long tab single pull sliders with a 5/8” wide tape. The inside “zip-in” zipper shall be a plastic scoop type size 5. The zipper shall be 20” long with a 5/8” wide tape.

Each front shall have an inside zipper track to allow inserting the insulated liner. The edge of the zipper shall be stitched flat next to the outside zipper. The teeth shall face towards the lining. The bottom ends of the zipper shall be backstitched. The slider shall be on the right front with the pull towards the shell lining. The zipper shall start at the collar seam and is 20” long.

ATTACHMENT B

- II-*** **Zippers:** The front zipper shall be a plastic scoop type size 8 or equal. The zipper shall have a single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be 5/8" wide. The inner pocket zippers shall be plastic continuous element style and the outer pocket zippers shall be continuous element style size 5 or equal. The pocket zippers shall be 7" long tab single pull sliders with a 5/8" wide tape. The inside "zip-in" zipper shall be a plastic scoop type size 5. The zipper shall be 19" long with a 5/8" wide tape.

Each front shall have an inside zipper track to allow inserting the insulated liner. The edge of the zipper shall be stitched flat next to the outside zipper. The teeth shall face towards the lining. The bottom ends of the zipper shall be backstitched. The slider shall be on the right front with the pull towards the shell lining. The zipper shall start at the collar seam and is 19" long.

- *** **Labels:** See general reference and requirements sheet.

General Instructions

- *** **Stitching:** All stitching shall be lockstitch type 301. Sleeves shall be set to front and back panels with full fell seams, 3/16" or 1/4" gauge. All closing seams shall be hot air sealed with sealing tape on the inside of the parka shell. Sealed seams and stitching shall show no leakage.

Detail Design Characteristics

- I-A,B** **Collar:** The collar and collar lining shall be made from the outershell fabric and interlined with a compatible nonwoven fabric. The top of the collar shall align with the top of the front weather flaps. The collar front edges shall be 3 1/2" wide and 3 1/2" wide at center back. The collar top shall be edge stitched 1/4" gauge and shall be 26" across the top. Four male snaps shall be located 1" up from the collar seam with 2 located 2 1/4" and 2 located 6 3/4" to either side of the back center line. A knitted collar shall be sewn into the inner collar seam and shall be 18" long. The knitted collar shall be 2" high at center back and taper off to each side. A 3/8" wide black nylon tape hanger loop 1 1/2" long shall be sewn into the inside collar seam at center back.
- II-A,B** **Collar:** The collar and collar lining shall be made from the outershell fabric and interlined with a compatible nonwoven fabric. The top of the collar shall align with the top of the front weather flaps. The collar front edges shall be 3 1/2" wide and 3 1/2" wide at center back. The collar top shall be edge stitched 1 1/4" gauge and shall be 24 1/2" across the top. Four male snaps shall be located 1" up from the collar seam with 2 located 2" and 2 located 6" to either side of the back center line. A knitted collar shall be sewn into the inner collar seam and shall be 15 1/2" long. The knitted collar shall be 2" high at center back and taper off to each side. A 3/8" wide black nylon tape hanger loop 1 1/2" long shall be sewn into the inside collar seam at center back.
- I-A,B** **Front:** The front shall have a 2 way zipper closure which shall run from the top of the collar to the bottom of the jacket. The front length shall be a minimum of 26" long. The front zipper shall be 25" long. The right flap shall be 1 1/4" wide and shall be an extension of the right front. The outer (left) flap shall be 2 1/4" wide and shall be sewn between the outershell and the left zipper tape and lining fabric. The left flap shall be interlined with a suitable nonwoven fabric and edge stitched 1/4" gauge. The right flap shall be edge stitched 1/16" gauge. The half chest shall be 26 1/2" wide.
- II-A,B** **Front:** The front shall have a 2 way zipper closure which shall run from the top of the collar to the bottom of the jacket. The front length shall be a minimum of 25" long. The front zipper shall be 24" long. The left flap shall be 1 1/4" wide and shall be an extension of the left front. The outer (right) flap shall be 2 1/4" wide and shall be sewn between the outershell and the right zipper tape and lining fabric. The right flap shall be interlined with a suitable nonwoven fabric and edge stitched 1/4" gauge. The left flap shall be edge stitched 1/16" gauge. The half chest shall be 23" wide.

ATTACHMENT B

- * **Snaps:** Six female snaps shall be located on the outer flap 5/8" from the front edge. The top and bottom snaps shall be 5/8" from the panel top and bottom edges and 4 snaps shall be spaced equally between the second and bottom snaps. Male snaps shall be located 2" from the front edge of the under flap in locations corresponding to the female snaps.
- I-A **Badge Reinforcement:** Badge and name tabs shall be constructed from the outershell fabric. The tabs shall finish 1/2" wide with 1/8" topstitching. The tab ends shall be turned under 1/4" and attached to the front with bartacks 1/16" from the folded edge. The badge tab shall be 2" long with 2 sewn eyelets centered 15/16" apart. The badge tab shall be located on the left front in vertical alignment with the inner edge 3 3/4" from the left front fly edge and the top edge 6 1/4" below the front shoulder seam. The name tab shall be 3 1/4" long with 2 sewn eyelets centered 1 7/8" apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3 1/2" from the front zipper tape and the top edge 7 3/4" below the front shoulder seam.
- II-A **Badge Reinforcement:** Badge and name tabs shall be constructed from the outershell fabric. The tabs shall finish 1/2" wide with 1/8" topstitching. The tab ends shall be turned under 1/4" and attached to the front with bartacks 1/16" from the folded edge. The badge tab shall be 2" long with 2 sewn eyelets centered 15/16" apart. The badge tab shall be located on the left front in vertical alignment with the inner edge 3 3/4" from the left front fly edge and the top edge 6 1/4" below the front shoulder seam. The name tab shall be 3 1/4" long with 2 sewn eyelets centered 1 7/8" apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3 1/2" from the front zipper tape and the top edge 7 3/4" below the front shoulder seam.
- I-A,B **Outer Pockets:** a zippered hand warmer slash pocket with a waterproof covered flap shall be located on each front. The bottom of the pocket opening shall be 4 1/2" above the bottom front waistband and 2 3/4" from the side seam. The top of the pocket opening shall be 11 1/2" from the bottom waistband and 4" from the side seam. The flap shall be 9 1/4" long and 2 1/2" wide. The flap edges shall be topstitched 1/4" gauge. The pocket bag shall be outershell fabric and shall be 7" deep at center.
- II-A,B **Outer Pockets:** a zippered hand warmer slash pocket with a waterproof covered flap shall be located on each front. The bottom of the pocket opening shall be 3 1/2" above the bottom front waistband and 1 1/2" from the side seam. The top of the pocket opening shall be 11 1/2" from the bottom waistband and 3 1/2" from the side seam. The flap shall be 8 1/4" long and 2 1/2" wide. The flap edges shall be topstitched 1/4" gauge. The pocket bag shall be outershell fabric and shall be 6" deep at center.
- * **Inner pockets:** Zippered or hook and pile patch pockets shall be located under the left and right fronts. The pockets shall be a minimum of 7" wide by 7" deep with a 6 1/2" opening. The pockets shall be made from lining fabric.
- I-A,B **Back:** The back shall be plain and shall be 27 1/2" long at center back from collar seam to bottom waistband edge.
- II-A,B **Back:** The back shall be plain and shall be 23" long at center back from collar seam to bottom waistband edge.
- I-A,B **Sleeves:** The sleeves shall be raglan, one piece construction. The sleeve head shall be 6" wide at the collar seam and shall be 32" long from collar seam to bottom edge. The sleeve shall be fully lined. The bottom edge of the shell fabric shall be turned up to the inside with the bottom edge topstitched 1/16" gauge. The hem shall finish 3/4" wide. A 5" by 5/8" wide piece of pile tape shall be sewn to the outside of the sleeve on the hem located 2" from the closing seam and 3/8" up from the sleeve bottom. A 4 1/2" long tab shall be sewn into the closing seam at the bottom of the sleeve. The tab shall be 1" wide. A 2" by 1" piece of hook tape shall be sewn to the inside of the tab. The tab shall be one piece construction from shell fabric and shall be stitched, turned and topstitched 1/8" gauge. A 1 1/4" long piece of black 3/4" wide webbing shall be caught 4" up from hemline of sleeve sewn in the lining sleeve closing seam. A female snap shall be centered 1/2" from the free end.

ATTACHMENT B

- II-A,B Sleeves:** The sleeves shall be raglan, one piece construction. The sleeve head shall be 5" wide at the collar seam and shall be 30" long from collar seam to bottom edge. The sleeve shall be fully lined. The bottom edge of the shell fabric shall be turned up to the inside with the bottom edge topstitched 1/16" gauge. The hem shall finish 3/4" wide. A 5" by 5/8" wide piece of pile tape shall be sewn to the outside of the sleeve on the hem located 2" from the closing seam and 1/2" up from the sleeve bottom. A 4 1/2" long tab shall be sewn into the closing seam at the bottom of the sleeve. The tab shall be 1" wide. A 2" by 1" piece of hook tape shall be sewn to the inside of the tab. The tab shall be one piece construction from shell fabric and shall be stitched, turned and topstitched 1/8" gauge. A 1 1/4" long piece of black 3/4" wide webbing shall be caught 4" up from hemline of sleeve sewn in the lining sleeve closing seam. A female snap shall be centered 1/2" from the free end.
- I-A,B Bottoms:** The waistband shall consist of front tabs 7" long, side shirred panels 11 1/2" long relaxed and a center back panel of 10" long.
- II-A,B Bottoms:** The waistband shall consist of front tabs 7" long, side shirred panels 8" long relaxed and a center back panel of 10" long.
- Patch:** An Arrowhead shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 7 1/4" below the collar seam. The patch shall be sewn with inconspicuous stitching using thread closely matching the emblem background color.

Sizes and Measurements

Finished Dimensions

Sizes: *I- Male: Regular S-XXL Long M-XXL
*II- Female: S-XL

ATTACHMENT B

N412 Overshell, Male, Gore-Tex, Waist Length without Badge Tab

Specifications are identical for the following other components:

N411 Overshell, Male, Gore-Tex, Waist Length with Badge Tab

N414 Overshell, Female Gore-Tex, Waist Length with Badge Tab

N415 Overshell, Female Gore-Tex, Waist Length without Badge Tab

Sample Size: All dimensions are based on Male size XL-R and Female size L-R

GENERAL DESCRIPTION

Raven Industries (or equal) waist length waterproof breathable jacket shell with a double front storm flap and a 2-way zipper and snap closures. The shell has two outside hand pockets, two inside pockets, and a shirred waistband. The shell is fully lined, uninsulated, and has an inside zipper for a zip-in-liner. The shells are designed to be worn over an insulated zip-in liner: Nylon Taffeta Thinsulate Liner Waist Length. Variations of this garment shall include male and female, with and without badge tab.

TYPE ITEMS: *--All Shells Type I—Male Type II—Female

CLASSIFICATION NPS # (M/F)

*	All Shells	*
A	with BT	N411/N414
B	without BT	N412/N415

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The material shall be 100% Taslon Nylon – bonded to Gore-Tex film, Forest Green.
- * **Linings:** The shell shall be fully lined with a female snap 1” down from collar seam centered on lining back.
- * **Thread:** All thread shall be minimum size 60/36.
- * **Buttons:** The snaps shall be 20-ligne underpart with 24-ligne caps with a matching outershell color enamel finish.
- I-* **Zippers:** The front zipper shall be a plastic scoop type size 8 or equal. The zipper shall have a single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be 5/8” wide. The inner pocket zippers shall be plastic continuous element style and the outer pocket zippers shall be continuous element style size 5 or equal. The pocket zippers shall be 7” long tab single pull sliders with a 5/8” wide tape. The inside “zip-in” zipper shall be a plastic scoop type size 5. The zipper shall be 20” long with a 5/8” wide tape.

Each front shall have an inside zipper track to allow inserting the insulated liner. The edge of the zipper shall be stitched flat next to the outside zipper. The teeth shall face towards the lining. The bottom ends of the zipper shall be backstitched. The slider shall be on the right front with the pull towards the shell lining. The zipper shall start at the collar seam and is 20” long.

ATTACHMENT B

- II-*** **Zippers:** The front zipper shall be a plastic scoop type size 8 or equal. The zipper shall have a single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be 5/8" wide. The inner pocket zippers shall be plastic continuous element style and the outer pocket zippers shall be continuous element style size 5 or equal. The pocket zippers shall be 7" long tab single pull sliders with a 5/8" wide tape. The inside "zip-in" zipper shall be a plastic scoop type size 5. The zipper shall be 19" long with a 5/8" wide tape.

Each front shall have an inside zipper track to allow inserting the insulated liner. The edge of the zipper shall be stitched flat next to the outside zipper. The teeth shall face towards the lining. The bottom ends of the zipper shall be backstitched. The slider shall be on the right front with the pull towards the shell lining. The zipper shall start at the collar seam and is 19" long.

- *** **Labels:** See general reference and requirements sheet.

General Instructions

- *** **Stitching:** All stitching shall be lockstitch type 301. Sleeves shall be set to front and back panels with full fell seams, 3/16" or 1/4" gauge. All closing seams shall be hot air sealed with sealing tape on the inside of the parka shell. Sealed seams and stitching shall show no leakage.

Detail Design Characteristics

- I-A,B** **Collar:** The collar and collar lining shall be made from the outershell fabric and interlined with a compatible nonwoven fabric. The top of the collar shall align with the top of the front weather flaps. The collar front edges shall be 3 1/2" wide and 3 1/2" wide at center back. The collar top shall be edge stitched 1/4" gauge and shall be 26" across the top. Four male snaps shall be located 1" up from the collar seam with 2 located 2 1/4" and 2 located 6 3/4" to either side of the back center line. A knitted collar shall be sewn into the inner collar seam and shall be 18" long. The knitted collar shall be 2" high at center back and taper off to each side. A 3/8" wide black nylon tape hanger loop 1 1/2" long shall be sewn into the inside collar seam at center back.
- II-A,B** **Collar:** The collar and collar lining shall be made from the outershell fabric and interlined with a compatible nonwoven fabric. The top of the collar shall align with the top of the front weather flaps. The collar front edges shall be 3 1/2" wide and 3 1/2" wide at center back. The collar top shall be edge stitched 1 1/4" gauge and shall be 24 1/2" across the top. Four male snaps shall be located 1" up from the collar seam with 2 located 2" and 2 located 6" to either side of the back center line. A knitted collar shall be sewn into the inner collar seam and shall be 15 1/2" long. The knitted collar shall be 2" high at center back and taper off to each side. A 3/8" wide black nylon tape hanger loop 1 1/2" long shall be sewn into the inside collar seam at center back.
- I-A,B** **Front:** The front shall have a 2 way zipper closure which shall run from the top of the collar to the bottom of the jacket. The front length shall be a minimum of 26" long. The front zipper shall be 25" long. The right flap shall be 1 1/4" wide and shall be an extension of the right front. The outer (left) flap shall be 2 1/4" wide and shall be sewn between the outershell and the left zipper tape and lining fabric. The left flap shall be interlined with a suitable nonwoven fabric and edge stitched 1/4" gauge. The right flap shall be edge stitched 1/16" gauge. The half chest shall be 26 1/2" wide.
- II-A,B** **Front:** The front shall have a 2 way zipper closure which shall run from the top of the collar to the bottom of the jacket. The front length shall be a minimum of 25" long. The front zipper shall be 24" long. The left flap shall be 1 1/4" wide and shall be an extension of the left front. The outer (right) flap shall be 2 1/4" wide and shall be sewn between the outershell and the right zipper tape and lining fabric. The right flap shall be interlined with a suitable nonwoven fabric and edge stitched 1/4" gauge. The left flap shall be edge stitched 1/16" gauge. The half chest shall be 23" wide.

ATTACHMENT B

- * **Snaps:** Six female snaps shall be located on the outer flap 5/8" from the front edge. The top and bottom snaps shall be 5/8" from the panel top and bottom edges and 4 snaps shall be spaced equally between the second and bottom snaps. Male snaps shall be located 2" from the front edge of the under flap in locations corresponding to the female snaps.
- I-A **Badge Reinforcement:** Badge and name tabs shall be constructed from the outershell fabric. The tabs shall finish 1/2" wide with 1/8" topstitching. The tab ends shall be turned under 1/4" and attached to the front with bartacks 1/16" from the folded edge. The badge tab shall be 2" long with 2 sewn eyelets centered 15/16" apart. The badge tab shall be located on the left front in vertical alignment with the inner edge 3 3/4" from the left front fly edge and the top edge 6 1/4" below the front shoulder seam. The name tab shall be 3 1/4" long with 2 sewn eyelets centered 1 7/8" apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3 1/2" from the front zipper tape and the top edge 7 3/4" below the front shoulder seam.
- II-A **Badge Reinforcement:** Badge and name tabs shall be constructed from the outershell fabric. The tabs shall finish 1/2" wide with 1/8" topstitching. The tab ends shall be turned under 1/4" and attached to the front with bartacks 1/16" from the folded edge. The badge tab shall be 2" long with 2 sewn eyelets centered 15/16" apart. The badge tab shall be located on the left front in vertical alignment with the inner edge 3 3/4" from the left front fly edge and the top edge 6 1/4" below the front shoulder seam. The name tab shall be 3 1/4" long with 2 sewn eyelets centered 1 7/8" apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3 1/2" from the front zipper tape and the top edge 7 3/4" below the front shoulder seam.
- I-A,B **Outer Pockets:** a zippered hand warmer slash pocket with a waterproof covered flap shall be located on each front. The bottom of the pocket opening shall be 4 1/2" above the bottom front waistband and 2 3/4" from the side seam. The top of the pocket opening shall be 11 1/2" from the bottom waistband and 4" from the side seam. The flap shall be 9 1/4" long and 2 1/2" wide. The flap edges shall be topstitched 1/4" gauge. The pocket bag shall be outershell fabric and shall be 7" deep at center.
- II-A,B **Outer Pockets:** a zippered hand warmer slash pocket with a waterproof covered flap shall be located on each front. The bottom of the pocket opening shall be 3 1/2" above the bottom front waistband and 1 1/2" from the side seam. The top of the pocket opening shall be 11 1/2" from the bottom waistband and 3 1/2" from the side seam. The flap shall be 8 1/4" long and 2 1/2" wide. The flap edges shall be topstitched 1/4" gauge. The pocket bag shall be outershell fabric and shall be 6" deep at center.
- * **Inner pockets:** Zippered or hook and pile patch pockets shall be located under the left and right fronts. The pockets shall be a minimum of 7" wide by 7" deep with a 6 1/2" opening. The pockets shall be made from lining fabric.
- I-A,B **Back:** The back shall be plain and shall be 27 1/2" long at center back from collar seam to bottom waistband edge.
- II-A,B **Back:** The back shall be plain and shall be 23" long at center back from collar seam to bottom waistband edge.
- I-A,B **Sleeves:** The sleeves shall be raglan, one piece construction. The sleeve head shall be 6" wide at the collar seam and shall be 32" long from collar seam to bottom edge. The sleeve shall be fully lined. The bottom edge of the shell fabric shall be turned up to the inside with the bottom edge topstitched 1/16" gauge. The hem shall finish 3/4" wide. A 5" by 5/8" wide piece of pile tape shall be sewn to the outside of the sleeve on the hem located 2" from the closing seam and 3/8" up from the sleeve bottom. A 4 1/2" long tab shall be sewn into the closing seam at the bottom of the sleeve. The tab shall be 1" wide. A 2" by 1" piece of hook tape shall be sewn to the inside of the tab. The tab shall be one piece construction from shell fabric and shall be stitched, turned and topstitched 1/8" gauge. A 1 1/4" long piece of black 3/4" wide webbing shall be caught 4" up from hemline of sleeve sewn in the lining sleeve closing seam. A female snap shall be centered 1/2" from the free end.

ATTACHMENT B

- II-A,B Sleeves:** The sleeves shall be raglan, one piece construction. The sleeve head shall be 5" wide at the collar seam and shall be 30" long from collar seam to bottom edge. The sleeve shall be fully lined. The bottom edge of the shell fabric shall be turned up to the inside with the bottom edge topstitched 1/16" gauge. The hem shall finish 3/4" wide. A 5" by 5/8" wide piece of pile tape shall be sewn to the outside of the sleeve on the hem located 2" from the closing seam and 1/2" up from the sleeve bottom. A 4 1/2" long tab shall be sewn into the closing seam at the bottom of the sleeve. The tab shall be 1" wide. A 2" by 1" piece of hook tape shall be sewn to the inside of the tab. The tab shall be one piece construction from shell fabric and shall be stitched, turned and topstitched 1/8" gauge. A 1 1/4" long piece of black 3/4" wide webbing shall be caught 4" up from hemline of sleeve sewn in the lining sleeve closing seam. A female snap shall be centered 1/2" from the free end.
- I-A,B Bottoms:** The waistband shall consist of front tabs 7" long, side shirred panels 11 1/2" long relaxed and a center back panel of 10" long.
- II-A,B Bottoms:** The waistband shall consist of front tabs 7" long, side shirred panels 8" long relaxed and a center back panel of 10" long.
- Patch:** An Arrowhead shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 7 1/4" below the collar seam. The patch shall be sewn with inconspicuous stitching using thread closely matching the emblem background color.

Sizes and Measurements

Finished Dimensions

Sizes: *I- Male: Regular S-XXL Long M-XXL
*II- Female: S-XL

ATTACHMENT B

N414 Overshell, Female, Gore-Tex, Waist Length with Badge Tab

Specifications are identical for the following other components:

N411 Overshell, Male, Gore-Tex, Waist Length with Badge Tab

N412 Overshell, Male, Gore-Tex, Waist Length without Badge Tab

N415 Overshell, Female Gore-Tex, Waist Length without Badge Tab

Sample Size: All dimensions are based on Male size XL-R and Female size L-R

GENERAL DESCRIPTION

Raven Industries (or equal) waist length waterproof breathable jacket shell with a double front storm flap and a 2-way zipper and snap closures. The shell has two outside hand pockets, two inside pockets, and a shirred waistband. The shell is fully lined, uninsulated, and has an inside zipper for a zip-in-liner. The shells are designed to be worn over an insulated zip-in liner: Nylon Taffeta Thinsulate Liner Waist Length. Variations of this garment shall include male and female, with and without badge tab.

TYPE ITEMS: *--All Shells Type I—Male Type II—Female

CLASSIFICATION NPS # (M/F)

*	All Shells	*
A	with BT	N411/N414
B	without BT	N412/N415

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The material shall be 100% Taslon Nylon – bonded to Gore-Tex film, Forest Green.
- * **Linings:** The shell shall be fully lined with a female snap 1” down from collar seam centered on lining back.
- * **Thread:** All thread shall be minimum size 60/36.
- * **Buttons:** The snaps shall be 20-ligne underpart with 24-ligne caps with a matching outershell color enamel finish.
- I-* **Zippers:** The front zipper shall be a plastic scoop type size 8 or equal. The zipper shall have a single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be 5/8” wide. The inner pocket zippers shall be plastic continuous element style and the outer pocket zippers shall be continuous element style size 5 or equal. The pocket zippers shall be 7” long tab single pull sliders with a 5/8” wide tape. The inside “zip-in” zipper shall be a plastic scoop type size 5. The zipper shall be 20” long with a 5/8” wide tape.

Each front shall have an inside zipper track to allow inserting the insulated liner. The edge of the zipper shall be stitched flat next to the outside zipper. The teeth shall face towards the lining. The bottom ends of the zipper shall be backstitched. The slider shall be on the right front with the pull towards the shell lining. The zipper shall start at the collar seam and is 20” long.

ATTACHMENT B

- II-*** **Zippers:** The front zipper shall be a plastic scoop type size 8 or equal. The zipper shall have a single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be 5/8" wide. The inner pocket zippers shall be plastic continuous element style and the outer pocket zippers shall be continuous element style size 5 or equal. The pocket zippers shall be 7" long tab single pull sliders with a 5/8" wide tape. The inside "zip-in" zipper shall be a plastic scoop type size 5. The zipper shall be 19" long with a 5/8" wide tape.

Each front shall have an inside zipper track to allow inserting the insulated liner. The edge of the zipper shall be stitched flat next to the outside zipper. The teeth shall face towards the lining. The bottom ends of the zipper shall be backstitched. The slider shall be on the right front with the pull towards the shell lining. The zipper shall start at the collar seam and is 19" long.

- *** **Labels:** See general reference and requirements sheet.

General Instructions

- *** **Stitching:** All stitching shall be lockstitch type 301. Sleeves shall be set to front and back panels with full fell seams, 3/16" or 1/4" gauge. All closing seams shall be hot air sealed with sealing tape on the inside of the parka shell. Sealed seams and stitching shall show no leakage.

Detail Design Characteristics

- I-A,B** **Collar:** The collar and collar lining shall be made from the outershell fabric and interlined with a compatible nonwoven fabric. The top of the collar shall align with the top of the front weather flaps. The collar front edges shall be 3 1/2" wide and 3 1/2" wide at center back. The collar top shall be edge stitched 1/4" gauge and shall be 26" across the top. Four male snaps shall be located 1" up from the collar seam with 2 located 2 1/4" and 2 located 6 3/4" to either side of the back center line. A knitted collar shall be sewn into the inner collar seam and shall be 18" long. The knitted collar shall be 2" high at center back and taper off to each side. A 3/8" wide black nylon tape hanger loop 1 1/2" long shall be sewn into the inside collar seam at center back.
- II-A,B** **Collar:** The collar and collar lining shall be made from the outershell fabric and interlined with a compatible nonwoven fabric. The top of the collar shall align with the top of the front weather flaps. The collar front edges shall be 3 1/2" wide and 3 1/2" wide at center back. The collar top shall be edge stitched 1 1/4" gauge and shall be 24 1/2" across the top. Four male snaps shall be located 1" up from the collar seam with 2 located 2" and 2 located 6" to either side of the back center line. A knitted collar shall be sewn into the inner collar seam and shall be 15 1/2" long. The knitted collar shall be 2" high at center back and taper off to each side. A 3/8" wide black nylon tape hanger loop 1 1/2" long shall be sewn into the inside collar seam at center back.
- I-A,B** **Front:** The front shall have a 2 way zipper closure which shall run from the top of the collar to the bottom of the jacket. The front length shall be a minimum of 26" long. The front zipper shall be 25" long. The right flap shall be 1 1/4" wide and shall be an extension of the right front. The outer (left) flap shall be 2 1/4" wide and shall be sewn between the outershell and the left zipper tape and lining fabric. The left flap shall be interlined with a suitable nonwoven fabric and edge stitched 1/4" gauge. The right flap shall be edge stitched 1/16" gauge. The half chest shall be 26 1/2" wide.
- II-A,B** **Front:** The front shall have a 2 way zipper closure which shall run from the top of the collar to the bottom of the jacket. The front length shall be a minimum of 25" long. The front zipper shall be 24" long. The left flap shall be 1 1/4" wide and shall be an extension of the left front. The outer (right) flap shall be 2 1/4" wide and shall be sewn between the outershell and the right zipper tape and lining fabric. The right flap shall be interlined with a suitable nonwoven fabric and edge stitched 1/4" gauge. The left flap shall be edge stitched 1/16" gauge. The half chest shall be 23" wide.

ATTACHMENT B

- * **Snaps:** Six female snaps shall be located on the outer flap 5/8" from the front edge. The top and bottom snaps shall be 5/8" from the panel top and bottom edges and 4 snaps shall be spaced equally between the second and bottom snaps. Male snaps shall be located 2" from the front edge of the under flap in locations corresponding to the female snaps.
- I-A **Badge Reinforcement:** Badge and name tabs shall be constructed from the outershell fabric. The tabs shall finish 1/2" wide with 1/8" topstitching. The tab ends shall be turned under 1/4" and attached to the front with bartacks 1/16" from the folded edge. The badge tab shall be 2" long with 2 sewn eyelets centered 15/16" apart. The badge tab shall be located on the left front in vertical alignment with the inner edge 3 3/4" from the left front fly edge and the top edge 6 1/4" below the front shoulder seam. The name tab shall be 3 1/4" long with 2 sewn eyelets centered 1 7/8" apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3 1/2" from the front zipper tape and the top edge 7 3/4" below the front shoulder seam.
- II-A **Badge Reinforcement:** Badge and name tabs shall be constructed from the outershell fabric. The tabs shall finish 1/2" wide with 1/8" topstitching. The tab ends shall be turned under 1/4" and attached to the front with bartacks 1/16" from the folded edge. The badge tab shall be 2" long with 2 sewn eyelets centered 15/16" apart. The badge tab shall be located on the left front in vertical alignment with the inner edge 3 3/4" from the left front fly edge and the top edge 6 1/4" below the front shoulder seam. The name tab shall be 3 1/4" long with 2 sewn eyelets centered 1 7/8" apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3 1/2" from the front zipper tape and the top edge 7 3/4" below the front shoulder seam.
- I-A,B **Outer Pockets:** a zippered hand warmer slash pocket with a waterproof covered flap shall be located on each front. The bottom of the pocket opening shall be 4 1/2" above the bottom front waistband and 2 3/4" from the side seam. The top of the pocket opening shall be 11 1/2" from the bottom waistband and 4" from the side seam. The flap shall be 9 1/4" long and 2 1/2" wide. The flap edges shall be topstitched 1/4" gauge. The pocket bag shall be outershell fabric and shall be 7" deep at center.
- II-A,B **Outer Pockets:** a zippered hand warmer slash pocket with a waterproof covered flap shall be located on each front. The bottom of the pocket opening shall be 3 1/2" above the bottom front waistband and 1 1/2" from the side seam. The top of the pocket opening shall be 11 1/2" from the bottom waistband and 3 1/2" from the side seam. The flap shall be 8 1/4" long and 2 1/2" wide. The flap edges shall be topstitched 1/4" gauge. The pocket bag shall be outershell fabric and shall be 6" deep at center.
- * **Inner pockets:** Zippered or hook and pile patch pockets shall be located under the left and right fronts. The pockets shall be a minimum of 7" wide by 7" deep with a 6 1/2" opening. The pockets shall be made from lining fabric.
- I-A,B **Back:** The back shall be plain and shall be 27 1/2" long at center back from collar seam to bottom waistband edge.
- II-A,B **Back:** The back shall be plain and shall be 23" long at center back from collar seam to bottom waistband edge.
- I-A,B **Sleeves:** The sleeves shall be raglan, one piece construction. The sleeve head shall be 6" wide at the collar seam and shall be 32" long from collar seam to bottom edge. The sleeve shall be fully lined. The bottom edge of the shell fabric shall be turned up to the inside with the bottom edge topstitched 1/16" gauge. The hem shall finish 3/4" wide. A 5" by 5/8" wide piece of pile tape shall be sewn to the outside of the sleeve on the hem located 2" from the closing seam and 3/8" up from the sleeve bottom. A 4 1/2" long tab shall be sewn into the closing seam at the bottom of the sleeve. The tab shall be 1" wide. A 2" by 1" piece of hook tape shall be sewn to the inside of the tab. The tab shall be one piece construction from shell fabric and shall be stitched, turned and topstitched 1/8" gauge. A 1 1/4" long piece of black 3/4" wide webbing shall be caught 4" up from hemline of sleeve sewn in the lining sleeve closing seam. A female snap shall be centered 1/2" from the free end.

ATTACHMENT B

- II-A,B Sleeves:** The sleeves shall be raglan, one piece construction. The sleeve head shall be 5" wide at the collar seam and shall be 30" long from collar seam to bottom edge. The sleeve shall be fully lined. The bottom edge of the shell fabric shall be turned up to the inside with the bottom edge topstitched 1/16" gauge. The hem shall finish 3/4" wide. A 5" by 5/8" wide piece of pile tape shall be sewn to the outside of the sleeve on the hem located 2" from the closing seam and 1/2" up from the sleeve bottom. A 4 1/2" long tab shall be sewn into the closing seam at the bottom of the sleeve. The tab shall be 1" wide. A 2" by 1" piece of hook tape shall be sewn to the inside of the tab. The tab shall be one piece construction from shell fabric and shall be stitched, turned and topstitched 1/8" gauge. A 1 1/4" long piece of black 3/4" wide webbing shall be caught 4" up from hemline of sleeve sewn in the lining sleeve closing seam. A female snap shall be centered 1/2" from the free end.
- I-A,B Bottoms:** The waistband shall consist of front tabs 7" long, side shirred panels 11 1/2" long relaxed and a center back panel of 10" long.
- II-A,B Bottoms:** The waistband shall consist of front tabs 7" long, side shirred panels 8" long relaxed and a center back panel of 10" long.
- Patch:** An Arrowhead shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 7 1/4" below the collar seam. The patch shall be sewn with inconspicuous stitching using thread closely matching the emblem background color.

Sizes and Measurements

Finished Dimensions

Sizes: *I- Male: Regular S-XXL Long M-XXL
*II- Female: S-XL

ATTACHMENT B

N415 Overshell, Female, Gore-Tex, Waist Length without Badge Tab

Specifications are identical for the following other components:

N411 Overshell, Male, Gore-Tex, Waist Length with Badge Tab

N412 Overshell, Male, Gore-Tex, Waist Length without Badge Tab

N414 Overshell, Female Gore-Tex, Waist Length with Badge Tab

Sample Size: All dimensions are based on Male size XL-R and Female size L-R

GENERAL DESCRIPTION

Raven Industries (or equal) waist length waterproof breathable jacket shell with a double front storm flap and a 2-way zipper and snap closures. The shell has two outside hand pockets, two inside pockets, and a shirred waistband. The shell is fully lined, uninsulated, and has an inside zipper for a zip-in-liner. The shells are designed to be worn over an insulated zip-in liner: Nylon Taffeta Thinsulate Liner Waist Length. Variations of this garment shall include male and female, with and without badge tab.

TYPE ITEMS: *--All Shells Type I—Male Type II—Female

CLASSIFICATION NPS # (M/F)

*	All Shells	*
A	with BT	N411/N414
B	without BT	N412/N415

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The material shall be 100% Taslon Nylon – bonded to Gore-Tex film, Forest Green.
- * **Linings:** The shell shall be fully lined with a female snap 1” down from collar seam centered on lining back.
- * **Thread:** All thread shall be minimum size 60/36.
- * **Buttons:** The snaps shall be 20-ligne underpart with 24-ligne caps with a matching outershell color enamel finish.
- I-* **Zippers:** The front zipper shall be a plastic scoop type size 8 or equal. The zipper shall have a single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be 5/8” wide. The inner pocket zippers shall be plastic continuous element style and the outer pocket zippers shall be continuous element style size 5 or equal. The pocket zippers shall be 7” long tab single pull sliders with a 5/8” wide tape. The inside “zip-in” zipper shall be a plastic scoop type size 5. The zipper shall be 20” long with a 5/8” wide tape.

Each front shall have an inside zipper track to allow inserting the insulated liner. The edge of the zipper shall be stitched flat next to the outside zipper. The teeth shall face towards the lining. The bottom ends of the zipper shall be backstitched. The slider shall be on the right front with the pull towards the shell lining. The zipper shall start at the collar seam and is 20” long.

ATTACHMENT B

- II-*** **Zippers:** The front zipper shall be a plastic scoop type size 8 or equal. The zipper shall have a single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be 5/8" wide. The inner pocket zippers shall be plastic continuous element style and the outer pocket zippers shall be continuous element style size 5 or equal. The pocket zippers shall be 7" long tab single pull sliders with a 5/8" wide tape. The inside "zip-in" zipper shall be a plastic scoop type size 5. The zipper shall be 19" long with a 5/8" wide tape.

Each front shall have an inside zipper track to allow inserting the insulated liner. The edge of the zipper shall be stitched flat next to the outside zipper. The teeth shall face towards the lining. The bottom ends of the zipper shall be backstitched. The slider shall be on the right front with the pull towards the shell lining. The zipper shall start at the collar seam and is 19" long.

- *** **Labels:** See general reference and requirements sheet.

General Instructions

- *** **Stitching:** All stitching shall be lockstitch type 301. Sleeves shall be set to front and back panels with full fell seams, 3/16" or 1/4" gauge. All closing seams shall be hot air sealed with sealing tape on the inside of the parka shell. Sealed seams and stitching shall show no leakage.

Detail Design Characteristics

- I-A,B** **Collar:** The collar and collar lining shall be made from the outershell fabric and interlined with a compatible nonwoven fabric. The top of the collar shall align with the top of the front weather flaps. The collar front edges shall be 3 1/2" wide and 3 1/2" wide at center back. The collar top shall be edge stitched 1/4" gauge and shall be 26" across the top. Four male snaps shall be located 1" up from the collar seam with 2 located 2 1/4" and 2 located 6 3/4" to either side of the back center line. A knitted collar shall be sewn into the inner collar seam and shall be 18" long. The knitted collar shall be 2" high at center back and taper off to each side. A 3/8" wide black nylon tape hanger loop 1 1/2" long shall be sewn into the inside collar seam at center back.
- II-A,B** **Collar:** The collar and collar lining shall be made from the outershell fabric and interlined with a compatible nonwoven fabric. The top of the collar shall align with the top of the front weather flaps. The collar front edges shall be 3 1/2" wide and 3 1/2" wide at center back. The collar top shall be edge stitched 1 1/4" gauge and shall be 24 1/2" across the top. Four male snaps shall be located 1" up from the collar seam with 2 located 2" and 2 located 6" to either side of the back center line. A knitted collar shall be sewn into the inner collar seam and shall be 15 1/2" long. The knitted collar shall be 2" high at center back and taper off to each side. A 3/8" wide black nylon tape hanger loop 1 1/2" long shall be sewn into the inside collar seam at center back.
- I-A,B** **Front:** The front shall have a 2 way zipper closure which shall run from the top of the collar to the bottom of the jacket. The front length shall be a minimum of 26" long. The front zipper shall be 25" long. The right flap shall be 1 1/4" wide and shall be an extension of the right front. The outer (left) flap shall be 2 1/4" wide and shall be sewn between the outershell and the left zipper tape and lining fabric. The left flap shall be interlined with a suitable nonwoven fabric and edge stitched 1/4" gauge. The right flap shall be edge stitched 1/16" gauge. The half chest shall be 26 1/2" wide.
- II-A,B** **Front:** The front shall have a 2 way zipper closure which shall run from the top of the collar to the bottom of the jacket. The front length shall be a minimum of 25" long. The front zipper shall be 24" long. The left flap shall be 1 1/4" wide and shall be an extension of the left front. The outer (right) flap shall be 2 1/4" wide and shall be sewn between the outershell and the right zipper tape and lining fabric. The right flap shall be interlined with a suitable nonwoven fabric and edge stitched 1/4" gauge. The left flap shall be edge stitched 1/16" gauge. The half chest shall be 23" wide.

ATTACHMENT B

- * **Snaps:** Six female snaps shall be located on the outer flap 5/8" from the front edge. The top and bottom snaps shall be 5/8" from the panel top and bottom edges and 4 snaps shall be spaced equally between the second and bottom snaps. Male snaps shall be located 2" from the front edge of the under flap in locations corresponding to the female snaps.
- I-A **Badge Reinforcement:** Badge and name tabs shall be constructed from the outershell fabric. The tabs shall finish 1/2" wide with 1/8" topstitching. The tab ends shall be turned under 1/4" and attached to the front with bartacks 1/16" from the folded edge. The badge tab shall be 2" long with 2 sewn eyelets centered 15/16" apart. The badge tab shall be located on the left front in vertical alignment with the inner edge 3 3/4" from the left front fly edge and the top edge 6 1/4" below the front shoulder seam. The name tab shall be 3 1/4" long with 2 sewn eyelets centered 1 7/8" apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3 1/2" from the front zipper tape and the top edge 7 3/4" below the front shoulder seam.
- II-A **Badge Reinforcement:** Badge and name tabs shall be constructed from the outershell fabric. The tabs shall finish 1/2" wide with 1/8" topstitching. The tab ends shall be turned under 1/4" and attached to the front with bartacks 1/16" from the folded edge. The badge tab shall be 2" long with 2 sewn eyelets centered 15/16" apart. The badge tab shall be located on the left front in vertical alignment with the inner edge 3 3/4" from the left front fly edge and the top edge 6 1/4" below the front shoulder seam. The name tab shall be 3 1/4" long with 2 sewn eyelets centered 1 7/8" apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3 1/2" from the front zipper tape and the top edge 7 3/4" below the front shoulder seam.
- I-A,B **Outer Pockets:** a zippered hand warmer slash pocket with a waterproof covered flap shall be located on each front. The bottom of the pocket opening shall be 4 1/2" above the bottom front waistband and 2 3/4" from the side seam. The top of the pocket opening shall be 11 1/2" from the bottom waistband and 4" from the side seam. The flap shall be 9 1/4" long and 2 1/2" wide. The flap edges shall be topstitched 1/4" gauge. The pocket bag shall be outershell fabric and shall be 7" deep at center.
- II-A,B **Outer Pockets:** a zippered hand warmer slash pocket with a waterproof covered flap shall be located on each front. The bottom of the pocket opening shall be 3 1/2" above the bottom front waistband and 1 1/2" from the side seam. The top of the pocket opening shall be 11 1/2" from the bottom waistband and 3 1/2" from the side seam. The flap shall be 8 1/4" long and 2 1/2" wide. The flap edges shall be topstitched 1/4" gauge. The pocket bag shall be outershell fabric and shall be 6" deep at center.
- * **Inner pockets:** Zippered or hook and pile patch pockets shall be located under the left and right fronts. The pockets shall be a minimum of 7" wide by 7" deep with a 6 1/2" opening. The pockets shall be made from lining fabric.
- I-A,B **Back:** The back shall be plain and shall be 27 1/2" long at center back from collar seam to bottom waistband edge.
- II-A,B **Back:** The back shall be plain and shall be 23" long at center back from collar seam to bottom waistband edge.
- I-A,B **Sleeves:** The sleeves shall be raglan, one piece construction. The sleeve head shall be 6" wide at the collar seam and shall be 32" long from collar seam to bottom edge. The sleeve shall be fully lined. The bottom edge of the shell fabric shall be turned up to the inside with the bottom edge topstitched 1/16" gauge. The hem shall finish 3/4" wide. A 5" by 5/8" wide piece of pile tape shall be sewn to the outside of the sleeve on the hem located 2" from the closing seam and 3/8" up from the sleeve bottom. A 4 1/2" long tab shall be sewn into the closing seam at the bottom of the sleeve. The tab shall be 1" wide. A 2" by 1" piece of hook tape shall be sewn to the inside of the tab. The tab shall be one piece construction from shell fabric and shall be stitched, turned and topstitched 1/8" gauge. A 1 1/4" long piece of black 3/4" wide webbing shall be caught 4" up from hemline of sleeve sewn in the lining sleeve closing seam. A female snap shall be centered 1/2" from the free end.

ATTACHMENT B

- II-A,B Sleeves:** The sleeves shall be raglan, one piece construction. The sleeve head shall be 5" wide at the collar seam and shall be 30" long from collar seam to bottom edge. The sleeve shall be fully lined. The bottom edge of the shell fabric shall be turned up to the inside with the bottom edge topstitched 1/16" gauge. The hem shall finish 3/4" wide. A 5" by 5/8" wide piece of pile tape shall be sewn to the outside of the sleeve on the hem located 2" from the closing seam and 1/2" up from the sleeve bottom. A 4 1/2" long tab shall be sewn into the closing seam at the bottom of the sleeve. The tab shall be 1" wide. A 2" by 1" piece of hook tape shall be sewn to the inside of the tab. The tab shall be one piece construction from shell fabric and shall be stitched, turned and topstitched 1/8" gauge. A 1 1/4" long piece of black 3/4" wide webbing shall be caught 4" up from hemline of sleeve sewn in the lining sleeve closing seam. A female snap shall be centered 1/2" from the free end.
- I-A,B Bottoms:** The waistband shall consist of front tabs 7" long, side shirred panels 11 1/2" long relaxed and a center back panel of 10" long.
- II-A,B Bottoms:** The waistband shall consist of front tabs 7" long, side shirred panels 8" long relaxed and a center back panel of 10" long.
- Patch:** An Arrowhead shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 7 1/4" below the collar seam. The patch shall be sewn with inconspicuous stitching using thread closely matching the emblem background color.

Sizes and Measurements

Finished Dimensions

Sizes: *I- Male: Regular S-XXL Long M-XXL
*II- Female: S-XL

ATTACHMENT B

N428 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab

Specifications are identical for the following other components:

C421 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
N430 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
C422 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
C427 Shirt, Male, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N432 Shirt, Male, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N600 Shirt, Male, Grey 5.5 Oz. 65/35 P/C Twill, LS without Badge Tab
N431 Shirt, Male, Grey 5.5 Oz. 65/35 P/C Twill, SS, CC, without Badge Tab
C447 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
N456 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
C448 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
N454 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
C453 Shirt, Female, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N458 Shirt, Female, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N457 Shirt, Female, Grey 5.5 Oz. 65/35 P/C Twill, LS without Badge Tab
N601 Shirt, Female, Grey 5.5 Oz. 65/35 P/C Twill, SS, CC, without Badge Tab

Sample Size: Male-16x33, Female-36

GENERAL DESCRIPTION

The garment is form fitting with two pleated breast pockets with scalloped flaps and shoulder straps. The shirt has military creases, a pencil slot, and a shoulder emblem. Variations of this garment shall include male and female:

Long-vs-short sleeves (LS, SS)

Two-piece shirt collar-vs-convertible collar (2PC, CC)

Tropical weave-vs-poplin-vs-twill (Trop, Pop, Twill)

TYPE ITEMS: * - All Items Type I - Male Items Type II - Female Items

CLASSIFICATION		COE # (M/F)	NPS # (M/F)
*	All Items	*	*
A	LS, 2 piece collar w BT, Trop	C421/C447	N430/N456
B	LS, 2 piece collar wo BT, Twill**	--	N600/N457
C	SS, CC, w BT, Trop	C422/C448	N428/N454
D	SS, CC, w BT, Pop**	C427/C453	N432/N458
E	SS, CC, wo BT, Twill** --		N431/N601

** see special note under **FRONT**

SALIENT CHARACTERISTICS

Components

Type-Class

*-A, C **Basic Material:** The material shall be shade #51, Nickel Grey or equal 10 Oz. 65/35 polyester/rayon tropical weave matching standard sample.

*-D **Basic Material:** The material shall be Nickel grey 4 Oz. 65/35 polyester/cotton poplin weave matching the standard sample.

ATTACHMENT B

- *-B, E **Basic Material:** The material shall be Grey 5.5 Oz. 65/35 polyester/combed cotton twill weave matching Milliken 2640-5598.
- * **Linings:** Shall have collar and yoke linings that are compatible with the construction of the shirts.
- * **Thread:** Sewing thread for all operations shall be cotton covered polyester, dyed to match shade of self material, and conforming to ticket numbers 50-2 ply or 50-3 ply.
- * **Buttons:** Buttons shall be first grade 19 ligne pearlescent plastic buttons and shall match the color of basic material.
- * **Collar Stays:** The collar stay shall be made of good quality vinyl, attached to the inside of the bottom collar leaf, and come out to the stitching line.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Cutting:** Collars, bands, pockets, and flaps shall be cut to ensure uniformity.
 - * **Stitching:** A lockstitch (301) shall be used throughout, except inserting the sleeve and side closing operations, which shall be safety stitched (516). All topstitching shall be ¼" from edge. There shall be 10 to 14 stitches per inch required.
- I-A,B Button Holes For Two-Piece Shirt Collar:** The shirt shall have 7 cut buttonholes down the front. For proper appearance with clip-on tie, the stand shall be fastened with one button so there shall be a tie space of ¼" when collar is buttoned. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.
- I-C,D,E Button Holes For Convertible Collar:** The shirt shall have 7 cut buttonholes down the front left facing. The center of the first buttonhole shall be 5/8" from top edge at center front. The center of the second buttonhole on the left facing shall be 2 ½" from the bottom of the top buttonhole. The remaining buttonholes shall be spaced 3 ¾" apart. There shall be 1 cut buttonhole on each shoulder strap, 1 uncut buttonhole on each pocket flap, and 2 cut buttonholes on each cuff. A vertical cut buttonhole shall be sewn on the sleeve placket opening 2 ½" from the top of the cuff, centered on the top placket with a matching button centered on bottom placket.
- II-A, B Button Holes For Two-Piece Shirt Collar:** The shirt shall have 6 cut buttonholes down the front. The center of the first buttonhole shall be placed on the collar band 1" from edge. The center of the second buttonhole which is on the center plait shall be 3 ¼" from the bottom of the collar. For proper appearance with clip-on tie, the stand shall be fastened with one button so there shall be a tie space of ¼" when collar is buttoned. The remaining buttonholes shall be spaced 3 ½" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.
- II-C,D,E Button Holes For Convertible Collar:** The shirt shall have 6 cut buttonholes down the front right facing. The center of the first buttonhole shall be ½" from top edge at center front. The center of the second buttonhole on the right facing shall be 2 ½" from the bottom of the top buttonhole. The remaining buttonholes shall be spaced 3 ½" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.

ATTACHMENT B

Detail Design Characteristics

- I-A, B Two-Piece Shirt Collar:** The garment shall have a two piece shirt collar. The points on the collar leaf shall measure 3 ¼" in length and be topstitched ¼" from the edge. The collar leaf shall be 1 ¾" from roll line to bottom edge of collar at center back. The collar stand shall measure 1 5/16" at center back and be topstitched 1/16" from top and bottom edges. For proper appearance with clip on tie, the stand shall be fastened with one button so that there shall be a tie space of ¼" when the collar is buttoned. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- II-A, B Two-Piece Shirt Collar:** The garment shall have a two piece shirt collar. The points on the collar leaf shall measure 2 7/8" in length and be topstitched ¼" from the edge. The collar leaf shall be 1 ½" from roll line to bottom edge of collar at center back. The collar stand shall measure 1 5/16" at center back and be topstitched 1/16" from top and bottom edges. For proper appearance with clip on tie, the stand shall be fastened with one button so that there shall be a tie space of ¼" when the collar is buttoned. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- I-C,D,E Convertible Collar:** The garment shall have a one piece convertible collar. The points on the collar shall measure 3 ¼" in length, 3 ¼" at center back, and be topstitched ¼" from the edge. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- II-C,D,E Convertible Collar:** The garment shall have a one-piece convertible collar. The points on the collar shall measure 2 7/8" in length, 2 7/8" at center back, and be topstitched ¼" from the edge. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- I-A,C,D Shoulder Straps:** Shoulder straps shall be 2" at sleeve head and tapered to 1 ¾"-1 ½". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends.
- I-B, E Shoulder Straps:** Shoulder straps shall be 2" at sleeve head and tapered to 1 ¾"-1 ½". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends. **The shoulder straps shall be sewn down around the edges.**
- II-A,C,D Shoulder Straps:** Shoulder straps shall be 1 5/8" at sleeve head and tapered to 1 3/8"-1 ¼". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends.
- II-B, E Shoulder Straps:** Shoulder straps shall be 1 5/8" at sleeve head and tapered to 1 3/8"-1 ¼". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends. **The shoulder straps shall be sewn down around the edges.**

ATTACHMENT B

- I-A,B Front for Two-Piece Shirt Collar:** Each front shall have a facing 2 ½" in width extending from the neckline to the bottom of the shirt, and provided by a turn under of material. The left front shall contain 6 vertical buttonholes placed ¾" from the edge of the plait and be 3 ½" apart. There shall be one button on the collar stand placed ¾" from edge. The button stand shall be 7/8" wide and be placed on the left side of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-B **Add 2" to shirt length.**
- II-A, B Front for Two-Piece Shirt Collar:** Each front shall have a facing 2 ½" in width extending from the neckline to the bottom of the shirt, and provided by a turn under of material. The right front shall contain 6 vertical buttonholes placed ¾" from the edge of the plait and be 3 ½" apart. There shall be one button on the collar stand placed ¾" from edge. The button stand shall be 7/8" wide and be placed on the right side of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-B **Add 2" to shirt length.**
- II-C,D,E Front for Convertible Collar:** Each front shall have a 3" facing provided by a turn under of material. The facings shall extend from the neckline to the bottom of the shirt. The left front shall contain 7 vertical cut buttonholes placed ¾" from the edge. The center of the first buttonhole shall be 5/8" from the top edge at center front. The second buttonhole shall be positioned 2 ½" from the top button with remaining buttonholes spaced 3 ¾" apart. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-D, E **Add 2" to shirt length.**
- II-C,D,E Front for Convertible Collar:** Each front shall have a ½" facing provided by a turn under of material. The facings shall extend from the neckline to the bottom of the shirt. The right front shall contain 6 vertical buttonholes placed ¾" from the edge. The center of the first buttonhole shall be ½" from the top edge center front. The second buttonhole shall be positioned 2 ½" from the top button with remaining buttonholes spaced 3 ½" apart. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- II-D, E **Add 2" to shirt length.**
- *-A,C,D Badge Reinforcement:** The shirt shall have a 1" wide inside sling type badge holder extending from the shoulder joining seam to pocket of the left front and constructed of the basic material. Two small, uncut buttonholes shall be 1 1/8" apart with the lower buttonhole approximately 1 ¼" above top of left pocket flap.
- * Pocket Flaps:** There shall be two deep scalloped flaps, 5 7/8" wide, 2 ¼" at sides, and 2 ¾" at center. There shall be a 1 ½" pencil opening through the left flap and a vertical uncut buttonhole in the center of the flap with a button sewn on top of the buttonhole. The flaps shall be topstitched 1/8" from edge and attached to the shirt front with a double row, ¼" gauge stitching. The underside of the flap shall have hook and pile tape, approximately 1" long by 3/8" wide, positioned on outer points of both pocket flaps.
- * Pockets:** Both pockets shall have 1 ½" centered pleats stitched to prevent spreading. Pockets shall be 5 ½" wide x 5 ¾" deep with bottom mitered corners. The left pocket shall have a pencil slot 1 ½" from center edge. Upper hem shall be ½" wide. Pockets shall be topstitched 1/16" gauge with ¾" triangle tacks at upper corners. Both pockets shall have an approximately 1" long by 3/8" wide piece of hook and pile tape positioned to correspond with the hook and pile tape on each outer scalloped flap point.

ATTACHMENT B

- I-*** **Yoke & Back:** The yoke shall be constructed of two pieces. The outside yoke shall be made of the same fabric as the outer shell of the garment and the inside yoke shall be made of the lining fabric. The yoke shall be 3 ½” at center back and 3 ¾” at armhole.
- II-*** **Yoke & Back:** The yoke shall be constructed of two pieces. The outside yoke shall be made of the same fabric as the outer shell of the garment and the inside yoke shall be made of the lining fabric. The yoke shall be 3 ½” at center back and 3 ¾” at armhole.
- I-A, B** **Long Sleeves:** Each sleeve shall have a 5” long sleeve placket with a 1” wide top placket and a ½” wide bottom placket. The sleeve placket is 5” long with top and bottom facings. A vertical buttonhole shall be sewn 2 ½” from top of cuff centered on top placket with matching button centered on bottom.
- Cuffs:** Cuffs shall be 2 ¾” in depth with rounded corners ¼” topstitching at bottom and double stitched 3/8” gauge topstitching where cuff joins sleeve. Two horizontal buttons with corresponding horizontal buttonhole shall be centered on each cuff 1 ¼” apart.
- II-A, B** **Long Sleeves:** Each sleeve shall have a 5” long sleeve placket with a 1” wide top placket and a ½” wide bottom placket. The sleeve is 5” long with top and bottom facings. A vertical buttonhole shall be sewn 2 ½” from top of cuff centered on top placket with matching button centered on bottom.
- Cuffs:** Cuffs shall be 2 ½” in depth with rounded corners ¼” topstitching at bottom and double stitched 3/8” gauge topstitching where cuff joins sleeve. Two horizontal buttons with corresponding horizontal buttonhole shall be centered on each cuff 1” apart.
- *-C,D,E** **Short Sleeves:** The sleeve shall be approximately 9” long from the shoulder seam. There shall be a ¾” hem turned to the inside with the folded edge topstitched 1/16” from the upper folded edge. The bottom edge of the sleeve closing seam shall bartacked within 1/8” of the lower edge.
- *** **Bottoms:** A ¼” rolled hem at the bottom of the garment is preferred.
- *-A,C,D** **Military Creases:** There shall be five 1/16” sharp military creases on the shirt. There shall be one crease on each front, centered vertically through pocket and flap. Spacing for military creases on shirt back shall be proportionate to the size of the shirt. For lightweight fabric (4 to 6 ounces) creases must be stitched in; for heavy fabrics (10 ounce) stitches shall be baked in.
- *** **Patch:** The organizations shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 1 ¼ to 1 ½” below the shoulder seam depending on the garment size. The patch shall be sewn with matching thread and attached so that the edges do not roll-up after washing.

ATTACHMENT B

Sizes and Measurements

I-A, B	Sizes:	<u>Neck</u>	<u>Sleeve</u>
		14	31-33
		14.5	31-34
		15	31-35
		15.5	31-36
		16	31-36
		16.5	31-36
		17	31-37
		17.5	31-37
		18	31-36
		18.5	33-37
		19	33-36
		20	33-36
		21	33-36
		22	33-36

I-C,D,E **Sizes:** S-4XL

II-A,B	Sizes:	<u>Bust Size</u>	<u>Sleeve</u> (R-Regular, L-Long—L=sleeve length + 1”)
		28	30 R
		30	30 R&L
		32	30 R&L
		34	30 R&L
		36	31 R&L
		38	31 R&L
		40	32 R&L
		42	33 R&L
		44	33 R&L
		46	33 R&L
		48	33 R&L
		50	33 R&L

II-C,D,E **Sizes:** 28-50 in even sizes only.

* **Pressing and Finishing:** Component parts shall be pressed on hot head machines; finished shirt shall be pressed and folded using jet clips or non-corrosive fasteners.

ATTACHMENT B

N430 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab

Specifications are identical for the following other components:

C421 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
C422 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
N428 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
C427 Shirt, Male, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N432 Shirt, Male, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N600 Shirt, Male, Grey 5.5 Oz. 65/35 P/C Twill, LS without Badge Tab
N431 Shirt, Male, Grey 5.5 Oz. 65/35 P/C Twill, SS, CC, without Badge Tab
C447 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
N456 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
C448 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
N454 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
C453 Shirt, Female, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N458 Shirt, Female, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N457 Shirt, Female, Grey 5.5 Oz. 65/35 P/C Twill, LS without Badge Tab
N601 Shirt, Female, Grey 5.5 Oz. 65/35 P/C Twill, SS, CC, without Badge Tab

Sample Size: Male-16x33, Female-36

GENERAL DESCRIPTION

The garment is form fitting with two pleated breast pockets with scalloped flaps and shoulder straps. The shirt has military creases, a pencil slot, and a shoulder emblem. Variations of this garment shall include male and female:

Long-vs-short sleeves (LS, SS)
 Two-piece shirt collar-vs-convertible collar (2PC, CC)
 Tropical weave-vs-poplin-vs-twill (Trop, Pop, Twill)

TYPE ITEMS: * - All Items Type I - Male Items Type II - Female Items

CLASSIFICATION		COE # (M/F)	NPS # (M/F)
*	All Items	*	*
A	LS, 2 piece collar w BT, Trop	C421/C447	N430/N456
B	LS, 2 piece collar wo BT, Twill**	--	N600/N457
C	SS, CC, w BT, Trop	C422/C448	N428/N454
D	SS, CC, w BT, Pop**	C427/C453	N432/N458
E	SS, CC, wo BT, Twill** --		

** see special note under **FRONT**

SALIENT CHARACTERISTICS

Components

Type-Class

***-A, C Basic Material:** The material shall be shade #51, Nickel Grey or equal 10 Oz. 65/35 polyester/rayon tropical weave matching standard sample.

***-D Basic Material:** The material shall be Nickel grey 4 Oz. 65/35 polyester/cotton poplin weave matching the standard sample.

ATTACHMENT B

- *-B, E **Basic Material:** The material shall be Grey 5.5 Oz. 65/35 polyester/combed cotton twill weave matching Milliken 2640-5598.
- * **Linings:** Shall have collar and yoke linings that are compatible with the construction of the shirts.
- * **Thread:** Sewing thread for all operations shall be cotton covered polyester, dyed to match shade of self material, and conforming to ticket numbers 50-2 ply or 50-3 ply.
- * **Buttons:** Buttons shall be first grade 19 ligne pearlescent plastic buttons and shall match the color of basic material.
- * **Collar Stays:** The collar stay shall be made of good quality vinyl, attached to the inside of the bottom collar leaf, and come out to the stitching line.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Cutting:** Collars, bands, pockets, and flaps shall be cut to ensure uniformity.
- * **Stitching:** A lockstitch (301) shall be used throughout, except inserting the sleeve and side closing operations, which shall be safety stitched (516). All topstitching shall be ¼" from edge. There shall be 10 to 14 stitches per inch required.
- I-A,B **Button Holes For Two-Piece Shirt Collar:** The shirt shall have 7 cut buttonholes down the front. For proper appearance with clip-on tie, the stand shall be fastened with one button so there shall be a tie space of ¼" when collar is buttoned. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.
- I-C,D,E **Button Holes For Convertible Collar:** The shirt shall have 7 cut buttonholes down the front left facing. The center of the first buttonhole shall be 5/8" from top edge at center front. The center of the second buttonhole on the left facing shall be 2 ½" from the bottom of the top buttonhole. The remaining buttonholes shall be spaced 3 ¾" apart. There shall be 1 cut buttonhole on each shoulder strap, 1 uncut buttonhole on each pocket flap, and 2 cut buttonholes on each cuff. A vertical cut buttonhole shall be sewn on the sleeve placket opening 2 ½" from the top of the cuff, centered on the top placket with a matching button centered on bottom placket.
- II-A, B **Button Holes For Two-Piece Shirt Collar:** The shirt shall have 6 cut buttonholes down the front. The center of the first buttonhole shall be placed on the collar band 1" from edge. The center of the second buttonhole which is on the center plait shall be 3 ¼" from the bottom of the collar. For proper appearance with clip-on tie, the stand shall be fastened with one button so there shall be a tie space of ¼" when collar is buttoned. The remaining buttonholes shall be spaced 3 ½" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.
- II-C,D,E **Button Holes For Convertible Collar:** The shirt shall have 6 cut buttonholes down the front right facing. The center of the first buttonhole shall be ½" from top edge at center front. The center of the second buttonhole on the right facing shall be 2 ½" from the bottom of the top buttonhole. The remaining buttonholes shall be spaced 3 ½" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.

ATTACHMENT B

Detail Design Characteristics

- I-A, B Two-Piece Shirt Collar:** The garment shall have a two piece shirt collar. The points on the collar leaf shall measure 3 ¼" in length and be topstitched ¼" from the edge. The collar leaf shall be 1 ¾" from roll line to bottom edge of collar at center back. The collar stand shall measure 1 5/16" at center back and be topstitched 1/16" from top and bottom edges. For proper appearance with clip on tie, the stand shall be fastened with one button so that there shall be a tie space of ¼" when the collar is buttoned. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- II-A, B Two-Piece Shirt Collar:** The garment shall have a two piece shirt collar. The points on the collar leaf shall measure 2 7/8" in length and be topstitched ¼" from the edge. The collar leaf shall be 1 ½" from roll line to bottom edge of collar at center back. The collar stand shall measure 1 5/16" at center back and be topstitched 1/16" from top and bottom edges. For proper appearance with clip on tie, the stand shall be fastened with one button so that there shall be a tie space of ¼" when the collar is buttoned. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- I-C,D,E Convertible Collar:** The garment shall have a one piece convertible collar. The points on the collar shall measure 3 ¼" in length, 3 ¼" at center back, and be topstitched ¼" from the edge. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- II-C,D,E Convertible Collar:** The garment shall have a one-piece convertible collar. The points on the collar shall measure 2 7/8" in length, 2 7/8" at center back, and be topstitched ¼" from the edge. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- I-A,C,D Shoulder Straps:** Shoulder straps shall be 2" at sleeve head and tapered to 1 ¾"-1 ½". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends.
- I-B, E Shoulder Straps:** Shoulder straps shall be 2" at sleeve head and tapered to 1 ¾"-1 ½". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends. **The shoulder straps shall be sewn down around the edges.**
- II-A,C,D Shoulder Straps:** Shoulder straps shall be 1 5/8" at sleeve head and tapered to 1 3/8"-1 ¼". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends.
- II-B, E Shoulder Straps:** Shoulder straps shall be 1 5/8" at sleeve head and tapered to 1 3/8"-1 ¼". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends. **The shoulder straps shall be sewn down around the edges.**

ATTACHMENT B

- I-A,B Front for Two-Piece Shirt Collar:** Each front shall have a facing 2 ½" in width extending from the neckline to the bottom of the shirt, and provided by a turn under of material. The left front shall contain 6 vertical buttonholes placed ¾" from the edge of the plait and be 3 ½" apart. There shall be one button on the collar stand placed ¾" from edge. The button stand shall be 7/8" wide and be placed on the left side of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-B **Add 2" to shirt length.**
- II-A, B Front for Two-Piece Shirt Collar:** Each front shall have a facing 2 ½" in width extending from the neckline to the bottom of the shirt, and provided by a turn under of material. The right front shall contain 6 vertical buttonholes placed ¾" from the edge of the plait and be 3 ½" apart. There shall be one button on the collar stand placed ¾" from edge. The button stand shall be 7/8" wide and be placed on the right side of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-B **Add 2" to shirt length.**
- II-C,D,E Front for Convertible Collar:** Each front shall have a 3" facing provided by a turn under of material. The facings shall extend from the neckline to the bottom of the shirt. The left front shall contain 7 vertical cut buttonholes placed ¾" from the edge. The center of the first buttonhole shall be 5/8" from the top edge at center front. The second buttonhole shall be positioned 2 ½" from the top button with remaining buttonholes spaced 3 ¾" apart. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-D, E **Add 2" to shirt length.**
- II-C,D,E Front for Convertible Collar:** Each front shall have a ½" facing provided by a turn under of material. The facings shall extend from the neckline to the bottom of the shirt. The right front shall contain 6 vertical buttonholes placed ¾" from the edge. The center of the first buttonhole shall be ½" from the top edge center front. The second buttonhole shall be positioned 2 ½" from the top button with remaining buttonholes spaced 3 ½" apart. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- II-D, E **Add 2" to shirt length.**
- *-A,C,D Badge Reinforcement:** The shirt shall have a 1" wide inside sling type badge holder extending from the shoulder joining seam to pocket of the left front and constructed of the basic material. Two small, uncut buttonholes shall be 1 1/8" apart with the lower buttonhole approximately 1 ¼" above top of left pocket flap.
- * Pocket Flaps:** There shall be two deep scalloped flaps, 5 7/8" wide, 2 ¼" at sides, and 2 ¾" at center. There shall be a 1 ½" pencil opening through the left flap and a vertical uncut buttonhole in the center of the flap with a button sewn on top of the buttonhole. The flaps shall be topstitched 1/8" from edge and attached to the shirt front with a double row, ¼" gauge stitching. The underside of the flap shall have hook and pile tape, approximately 1" long by 3/8" wide, positioned on outer points of both pocket flaps.
- * Pockets:** Both pockets shall have 1 ½" centered pleats stitched to prevent spreading. Pockets shall be 5 ½" wide x 5 ¾" deep with bottom mitered corners. The left pocket shall have a pencil slot 1 ½" from center edge. Upper hem shall be ½" wide. Pockets shall be topstitched 1/16" gauge with ¾" triangle tacks at upper corners. Both pockets shall have an approximately 1" long by 3/8" wide piece of hook and pile tape positioned to correspond with the hook and pile tape on each outer scalloped flap point.

ATTACHMENT B

- I-*** **Yoke & Back:** The yoke shall be constructed of two pieces. The outside yoke shall be made of the same fabric as the outer shell of the garment and the inside yoke shall be made of the lining fabric. The yoke shall be 3 ½” at center back and 3 ¾” at armhole.
- II-*** **Yoke & Back:** The yoke shall be constructed of two pieces. The outside yoke shall be made of the same fabric as the outer shell of the garment and the inside yoke shall be made of the lining fabric. The yoke shall be 3 ½” at center back and 3 ¾” at armhole.
- I-A, B** **Long Sleeves:** Each sleeve shall have a 5” long sleeve placket with a 1” wide top placket and a ½” wide bottom placket. The sleeve placket is 5” long with top and bottom facings. A vertical buttonhole shall be sewn 2 ½” from top of cuff centered on top placket with matching button centered on bottom.
- Cuffs:** Cuffs shall be 2 ¾” in depth with rounded corners ¼” topstitching at bottom and double stitched 3/8” gauge topstitching where cuff joins sleeve. Two horizontal buttons with corresponding horizontal buttonhole shall be centered on each cuff 1 ¼” apart.
- II-A, B** **Long Sleeves:** Each sleeve shall have a 5” long sleeve placket with a 1” wide top placket and a ½” wide bottom placket. The sleeve is 5” long with top and bottom facings. A vertical buttonhole shall be sewn 2 ½” from top of cuff centered on top placket with matching button centered on bottom.
- Cuffs:** Cuffs shall be 2 ½” in depth with rounded corners ¼” topstitching at bottom and double stitched 3/8” gauge topstitching where cuff joins sleeve. Two horizontal buttons with corresponding horizontal buttonhole shall be centered on each cuff 1” apart.
- *-C,D,E** **Short Sleeves:** The sleeve shall be approximately 9” long from the shoulder seam. There shall be a ¾” hem turned to the inside with the folded edge topstitched 1/16” from the upper folded edge. The bottom edge of the sleeve closing seam shall bartacked within 1/8” of the lower edge.
- *** **Bottoms:** A ¼” rolled hem at the bottom of the garment is preferred.
- *-A,C,D** **Military Creases:** There shall be five 1/16” sharp military creases on the shirt. There shall be one crease on each front, centered vertically through pocket and flap. Spacing for military creases on shirt back shall be proportionate to the size of the shirt. For lightweight fabric (4 to 6 ounces) creases must be stitched in; for heavy fabrics (10 ounce) stitches shall be baked in.
- *** **Patch:** The organizations shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 1 ¼ to 1 ½” below the shoulder seam depending on the garment size. The patch shall be sewn with matching thread and attached so that the edges do not roll-up after washing.

ATTACHMENT B

Sizes and Measurements

I-A, B	Sizes:	<u>Neck</u>	<u>Sleeve</u>
		14	31-33
		14.5	31-34
		15	31-35
		15.5	31-36
		16	31-36
		16.5	31-36
		17	31-37
		17.5	31-37
		18	31-36
		18.5	33-37
		19	33-36
		20	33-36
		21	33-36
		22	33-36

I-C,D,E **Sizes:** S-4XL

II-A,B	Sizes:	<u>Bust Size</u>	<u>Sleeve</u> (R-Regular, L-Long—L=sleeve length + 1”)
		28	30 R
		30	30 R&L
		32	30 R&L
		34	30 R&L
		36	31 R&L
		38	31 R&L
		40	32 R&L
		42	33 R&L
		44	33 R&L
		46	33 R&L
		48	33 R&L
		50	33 R&L

II-C,D,E **Sizes:** 28-50 in even sizes only.

* **Pressing and Finishing:** Component parts shall be pressed on hot head machines; finished shirt shall be pressed and folded using jet clips or non-corrosive fasteners.

ATTACHMENT B

N431 Shirt, Male, Grey 5.5 Oz. 65/35 P/C Twill, SS, CC, without Badge Tab

Specifications are identical for the following other components:

C421 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
N430 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
C422 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
N428 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
C427 Shirt, Male, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N432 Shirt, Male, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N600 Shirt, Male, Grey 5.5 Oz. 65/35 P/C Twill, LS without Badge Tab
C447 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
N456 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
C448 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
N454 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
C453 Shirt, Female, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N458 Shirt, Female, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N457 Shirt, Female, Grey 5.5 Oz. 65/35 P/C Twill, LS without Badge Tab
N601 Shirt, Female, Grey 5.5 Oz. 65/35 P/C Twill, SS, CC, without Badge Tab

Sample Size: Male-16x33, Female-36

GENERAL DESCRIPTION

The garment is form fitting with two pleated breast pockets with scalloped flaps and shoulder straps. The shirt has military creases, a pencil slot, and a shoulder emblem. Variations of this garment shall include male and female:

Long-vs-short sleeves (LS, SS)
 Two-piece shirt collar-vs-convertible collar (2PC, CC)
 Tropical weave-vs-poplin-vs-twill (Trop, Pop, Twill)

TYPE ITEMS: * - All Items Type I - Male Items Type II - Female Items

CLASSIFICATION		COE # (M/F)	NPS # (M/F)
*	All Items	*	*
A	LS, 2 piece collar w BT, Trop	C421/C447	N430/N456
B	LS, 2 piece collar wo BT, Twill**	--	N600/N457
C	SS, CC, w BT, Trop	C422/C448	N428/N454
D	SS, CC, w BT, Pop**	C427/C453	N432/N458
E	SS, CC, wo BT, Twill** --		

** see special note under **FRONT**

SALIENT CHARACTERISTICS

Components

Type-Class

***-A, C Basic Material:** The material shall be shade #51, Nickel Grey or equal 10 Oz. 65/35 polyester/rayon tropical weave matching standard sample.

***-D Basic Material:** The material shall be Nickel grey 4 Oz. 65/35 polyester/cotton poplin weave matching the standard sample.

ATTACHMENT B

- *-B, E **Basic Material:** The material shall be Grey 5.5 Oz. 65/35 polyester/combed cotton twill weave matching Milliken 2640-5598.
- * **Linings:** Shall have collar and yoke linings that are compatible with the construction of the shirts.
- * **Thread:** Sewing thread for all operations shall be cotton covered polyester, dyed to match shade of self material, and conforming to ticket numbers 50-2 ply or 50-3 ply.
- * **Buttons:** Buttons shall be first grade 19 ligne pearlescent plastic buttons and shall match the color of basic material.
- * **Collar Stays:** The collar stay shall be made of good quality vinyl, attached to the inside of the bottom collar leaf, and come out to the stitching line.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Cutting:** Collars, bands, pockets, and flaps shall be cut to ensure uniformity.
- * **Stitching:** A lockstitch (301) shall be used throughout, except inserting the sleeve and side closing operations, which shall be safety stitched (516). All topstitching shall be ¼" from edge. There shall be 10 to 14 stitches per inch required.
- I-A,B **Button Holes For Two-Piece Shirt Collar:** The shirt shall have 7 cut buttonholes down the front. For proper appearance with clip-on tie, the stand shall be fastened with one button so there shall be a tie space of ¼" when collar is buttoned. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.
- I-C,D,E **Button Holes For Convertible Collar:** The shirt shall have 7 cut buttonholes down the front left facing. The center of the first buttonhole shall be 5/8" from top edge at center front. The center of the second buttonhole on the left facing shall be 2 ½" from the bottom of the top buttonhole. The remaining buttonholes shall be spaced 3 ¾" apart. There shall be 1 cut buttonhole on each shoulder strap, 1 uncut buttonhole on each pocket flap, and 2 cut buttonholes on each cuff. A vertical cut buttonhole shall be sewn on the sleeve placket opening 2 ½" from the top of the cuff, centered on the top placket with a matching button centered on bottom placket.
- II-A, B **Button Holes For Two-Piece Shirt Collar:** The shirt shall have 6 cut buttonholes down the front. The center of the first buttonhole shall be placed on the collar band 1" from edge. The center of the second buttonhole which is on the center plait shall be 3 ¼" from the bottom of the collar. For proper appearance with clip-on tie, the stand shall be fastened with one button so there shall be a tie space of ¼" when collar is buttoned. The remaining buttonholes shall be spaced 3 ½" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.
- II-C,D,E **Button Holes For Convertible Collar:** The shirt shall have 6 cut buttonholes down the front right facing. The center of the first buttonhole shall be ½" from top edge at center front. The center of the second buttonhole on the right facing shall be 2 ½" from the bottom of the top buttonhole. The remaining buttonholes shall be spaced 3 ½" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.

ATTACHMENT B

Detail Design Characteristics

- I-A, B Two-Piece Shirt Collar:** The garment shall have a two piece shirt collar. The points on the collar leaf shall measure 3 ¼" in length and be topstitched ¼" from the edge. The collar leaf shall be 1 ¾" from roll line to bottom edge of collar at center back. The collar stand shall measure 1 5/16" at center back and be topstitched 1/16" from top and bottom edges. For proper appearance with clip on tie, the stand shall be fastened with one button so that there shall be a tie space of ¼" when the collar is buttoned. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- II-A, B Two-Piece Shirt Collar:** The garment shall have a two piece shirt collar. The points on the collar leaf shall measure 2 7/8" in length and be topstitched ¼" from the edge. The collar leaf shall be 1 ½" from roll line to bottom edge of collar at center back. The collar stand shall measure 1 5/16" at center back and be topstitched 1/16" from top and bottom edges. For proper appearance with clip on tie, the stand shall be fastened with one button so that there shall be a tie space of ¼" when the collar is buttoned. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- I-C,D,E Convertible Collar:** The garment shall have a one piece convertible collar. The points on the collar shall measure 3 ¼" in length, 3 ¼" at center back, and be topstitched ¼" from the edge. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- II-C,D,E Convertible Collar:** The garment shall have a one-piece convertible collar. The points on the collar shall measure 2 7/8" in length, 2 7/8" at center back, and be topstitched ¼" from the edge. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- I-A,C,D Shoulder Straps:** Shoulder straps shall be 2" at sleeve head and tapered to 1 ¾"-1 ½". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends.
- I-B, E Shoulder Straps:** Shoulder straps shall be 2" at sleeve head and tapered to 1 ¾"-1 ½". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends. **The shoulder straps shall be sewn down around the edges.**
- II-A,C,D Shoulder Straps:** Shoulder straps shall be 1 5/8" at sleeve head and tapered to 1 3/8"-1 ¼". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends.
- II-B, E Shoulder Straps:** Shoulder straps shall be 1 5/8" at sleeve head and tapered to 1 3/8"-1 ¼". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends. **The shoulder straps shall be sewn down around the edges.**

ATTACHMENT B

- I-A,B Front for Two-Piece Shirt Collar:** Each front shall have a facing 2 ½" in width extending from the neckline to the bottom of the shirt, and provided by a turn under of material. The left front shall contain 6 vertical buttonholes placed ¾" from the edge of the plait and be 3 ½" apart. There shall be one button on the collar stand placed ¾" from edge. The button stand shall be 7/8" wide and be placed on the left side of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-B **Add 2" to shirt length.**
- II-A, B Front for Two-Piece Shirt Collar:** Each front shall have a facing 2 ½" in width extending from the neckline to the bottom of the shirt, and provided by a turn under of material. The right front shall contain 6 vertical buttonholes placed ¾" from the edge of the plait and be 3 ½" apart. There shall be one button on the collar stand placed ¾" from edge. The button stand shall be 7/8" wide and be placed on the right side of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-B **Add 2" to shirt length.**
- II-C,D,E Front for Convertible Collar:** Each front shall have a 3" facing provided by a turn under of material. The facings shall extend from the neckline to the bottom of the shirt. The left front shall contain 7 vertical cut buttonholes placed ¾" from the edge. The center of the first buttonhole shall be 5/8" from the top edge at center front. The second buttonhole shall be positioned 2 ½" from the top button with remaining buttonholes spaced 3 ¾" apart. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-D, E **Add 2" to shirt length.**
- II-C,D,E Front for Convertible Collar:** Each front shall have a ½" facing provided by a turn under of material. The facings shall extend from the neckline to the bottom of the shirt. The right front shall contain 6 vertical buttonholes placed ¾" from the edge. The center of the first buttonhole shall be ½" from the top edge center front. The second buttonhole shall be positioned 2 ½" from the top button with remaining buttonholes spaced 3 ½" apart. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- II-D, E **Add 2" to shirt length.**
- *-A,C,D Badge Reinforcement:** The shirt shall have a 1" wide inside sling type badge holder extending from the shoulder joining seam to pocket of the left front and constructed of the basic material. Two small, uncut buttonholes shall be 1 1/8" apart with the lower buttonhole approximately 1 ¼" above top of left pocket flap.
- * Pocket Flaps:** There shall be two deep scalloped flaps, 5 7/8" wide, 2 ¼" at sides, and 2 ¾" at center. There shall be a 1 ½" pencil opening through the left flap and a vertical uncut buttonhole in the center of the flap with a button sewn on top of the buttonhole. The flaps shall be topstitched 1/8" from edge and attached to the shirt front with a double row, ¼" gauge stitching. The underside of the flap shall have hook and pile tape, approximately 1" long by 3/8" wide, positioned on outer points of both pocket flaps.
- * Pockets:** Both pockets shall have 1 ½" centered pleats stitched to prevent spreading. Pockets shall be 5 ½" wide x 5 ¾" deep with bottom mitered corners. The left pocket shall have a pencil slot 1 ½" from center edge. Upper hem shall be ½" wide. Pockets shall be topstitched 1/16" gauge with ¾" triangle tacks at upper corners. Both pockets shall have an approximately 1" long by 3/8" wide piece of hook and pile tape positioned to correspond with the hook and pile tape on each outer scalloped flap point.

ATTACHMENT B

- I-*** **Yoke & Back:** The yoke shall be constructed of two pieces. The outside yoke shall be made of the same fabric as the outer shell of the garment and the inside yoke shall be made of the lining fabric. The yoke shall be 3 ½" at center back and 3 ¾" at armhole.
- II-*** **Yoke & Back:** The yoke shall be constructed of two pieces. The outside yoke shall be made of the same fabric as the outer shell of the garment and the inside yoke shall be made of the lining fabric. The yoke shall be 3 ½" at center back and 3 ¾" at armhole.
- I-A, B** **Long Sleeves:** Each sleeve shall have a 5" long sleeve placket with a 1" wide top placket and a ½" wide bottom placket. The sleeve placket is 5" long with top and bottom facings. A vertical buttonhole shall be sewn 2 ½" from top of cuff centered on top placket with matching button centered on bottom.
- Cuffs:** Cuffs shall be 2 ¾" in depth with rounded corners ¼" topstitching at bottom and double stitched 3/8" gauge topstitching where cuff joins sleeve. Two horizontal buttons with corresponding horizontal buttonhole shall be centered on each cuff 1 ¼" apart.
- II-A, B** **Long Sleeves:** Each sleeve shall have a 5" long sleeve placket with a 1" wide top placket and a ½" wide bottom placket. The sleeve is 5" long with top and bottom facings. A vertical buttonhole shall be sewn 2 ½" from top of cuff centered on top placket with matching button centered on bottom.
- Cuffs:** Cuffs shall be 2 ½" in depth with rounded corners ¼" topstitching at bottom and double stitched 3/8" gauge topstitching where cuff joins sleeve. Two horizontal buttons with corresponding horizontal buttonhole shall be centered on each cuff 1" apart.
- *-C,D,E** **Short Sleeves:** The sleeve shall be approximately 9" long from the shoulder seam. There shall be a ¾" hem turned to the inside with the folded edge topstitched 1/16" from the upper folded edge. The bottom edge of the sleeve closing seam shall bartacked within 1/8" of the lower edge.
- *** **Bottoms:** A ¼" rolled hem at the bottom of the garment is preferred.
- *-A,C,D** **Military Creases:** There shall be five 1/16" sharp military creases on the shirt. There shall be one crease on each front, centered vertically through pocket and flap. Spacing for military creases on shirt back shall be proportionate to the size of the shirt. For lightweight fabric (4 to 6 ounces) creases must be stitched in; for heavy fabrics (10 ounce) stitches shall be baked in.
- *** **Patch:** The organizations shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 1 ¼ to 1 ½" below the shoulder seam depending on the garment size. The patch shall be sewn with matching thread and attached so that the edges do not roll-up after washing.

ATTACHMENT B

Sizes and Measurements

I-A, B	Sizes:	<u>Neck</u>	<u>Sleeve</u>
		14	31-33
		14.5	31-34
		15	31-35
		15.5	31-36
		16	31-36
		16.5	31-36
		17	31-37
		17.5	31-37
		18	31-36
		18.5	33-37
		19	33-36
		20	33-36
		21	33-36
		22	33-36

I-C,D,E **Sizes:** S-4XL

II-A,B	Sizes:	<u>Bust Size</u>	<u>Sleeve</u> (R-Regular, L-Long—L=sleeve length + 1”)
		28	30 R
		30	30 R&L
		32	30 R&L
		34	30 R&L
		36	31 R&L
		38	31 R&L
		40	32 R&L
		42	33 R&L
		44	33 R&L
		46	33 R&L
		48	33 R&L
		50	33 R&L

II-C,D,E **Sizes:** 28-50 in even sizes only.

* **Pressing and Finishing:** Component parts shall be pressed on hot head machines; finished shirt shall be pressed and folded using jet clips or non-corrosive fasteners.

ATTACHMENT B

N432 Shirt, Male, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab

Specifications are identical for the following other components:

C421 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
N430 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
C422 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
N428 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
C427 Shirt, Male, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N600 Shirt, Male, Grey 5.5 Oz. 65/35 P/C Twill, LS without Badge Tab
N431 Shirt, Male, Grey 5.5 Oz. 65/35 P/C Twill, SS, CC, without Badge Tab
C447 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
N456 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
C448 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
N454 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
C453 Shirt, Female, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N458 Shirt, Female, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N457 Shirt, Female, Grey 5.5 Oz. 65/35 P/C Twill, LS without Badge Tab
N601 Shirt, Female, Grey 5.5 Oz. 65/35 P/C Twill, SS, CC, without Badge Tab

Sample Size: Male-16x33, Female-36

GENERAL DESCRIPTION

The garment is form fitting with two pleated breast pockets with scalloped flaps and shoulder straps. The shirt has military creases, a pencil slot, and a shoulder emblem. Variations of this garment shall include male and female:

Long-vs-short sleeves (LS, SS)

Two-piece shirt collar-vs-convertible collar (2PC, CC)

Tropical weave-vs-poplin-vs-twill (Trop, Pop, Twill)

TYPE ITEMS: * - All Items Type I - Male Items Type II - Female Items

CLASSIFICATION		COE # (M/F)	NPS # (M/F)
*	All Items	*	*
A	LS, 2 piece collar w BT, Trop	C421/C447	N430/N456
B	LS, 2 piece collar wo BT, Twill**	--	N600/N457
C	SS, CC, w BT, Trop	C422/C448	N428/N454
D	SS, CC, w BT, Pop**	C427/C453	N432/N458
E	SS, CC, wo BT, Twill** --		

** see special note under **FRONT**

SALIENT CHARACTERISTICS

Components

Type-Class

*-A, C **Basic Material:** The material shall be shade #51, Nickel Grey or equal 10 Oz. 65/35 polyester/rayon tropical weave matching standard sample.

*-D **Basic Material:** The material shall be Nickel grey 4 Oz. 65/35 polyester/cotton poplin weave matching the standard sample.

ATTACHMENT B

- *-B, E **Basic Material:** The material shall be Grey 5.5 Oz. 65/35 polyester/combed cotton twill weave matching Milliken 2640-5598.
- * **Linings:** Shall have collar and yoke linings that are compatible with the construction of the shirts.
- * **Thread:** Sewing thread for all operations shall be cotton covered polyester, dyed to match shade of self material, and conforming to ticket numbers 50-2 ply or 50-3 ply.
- * **Buttons:** Buttons shall be first grade 19 ligne pearlescent plastic buttons and shall match the color of basic material.
- * **Collar Stays:** The collar stay shall be made of good quality vinyl, attached to the inside of the bottom collar leaf, and come out to the stitching line.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Cutting:** Collars, bands, pockets, and flaps shall be cut to ensure uniformity.
- * **Stitching:** A lockstitch (301) shall be used throughout, except inserting the sleeve and side closing operations, which shall be safety stitched (516). All topstitching shall be ¼" from edge. There shall be 10 to 14 stitches per inch required.
- I-A,B **Button Holes For Two-Piece Shirt Collar:** The shirt shall have 7 cut buttonholes down the front. For proper appearance with clip-on tie, the stand shall be fastened with one button so there shall be a tie space of ¼" when collar is buttoned. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.
- I-C,D,E **Button Holes For Convertible Collar:** The shirt shall have 7 cut buttonholes down the front left facing. The center of the first buttonhole shall be 5/8" from top edge at center front. The center of the second buttonhole on the left facing shall be 2 ½" from the bottom of the top buttonhole. The remaining buttonholes shall be spaced 3 ¾" apart. There shall be 1 cut buttonhole on each shoulder strap, 1 uncut buttonhole on each pocket flap, and 2 cut buttonholes on each cuff. A vertical cut buttonhole shall be sewn on the sleeve placket opening 2 ½" from the top of the cuff, centered on the top placket with a matching button centered on bottom placket.
- II-A, B **Button Holes For Two-Piece Shirt Collar:** The shirt shall have 6 cut buttonholes down the front. The center of the first buttonhole shall be placed on the collar band 1" from edge. The center of the second buttonhole which is on the center plait shall be 3 ¼" from the bottom of the collar. For proper appearance with clip-on tie, the stand shall be fastened with one button so there shall be a tie space of ¼" when collar is buttoned. The remaining buttonholes shall be spaced 3 ½" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.
- II-C,D,E **Button Holes For Convertible Collar:** The shirt shall have 6 cut buttonholes down the front right facing. The center of the first buttonhole shall be ½" from top edge at center front. The center of the second buttonhole on the right facing shall be 2 ½" from the bottom of the top buttonhole. The remaining buttonholes shall be spaced 3 ½" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.

ATTACHMENT B

Detail Design Characteristics

- I-A, B Two-Piece Shirt Collar:** The garment shall have a two piece shirt collar. The points on the collar leaf shall measure 3 ¼" in length and be topstitched ¼" from the edge. The collar leaf shall be 1 ¾" from roll line to bottom edge of collar at center back. The collar stand shall measure 1 5/16" at center back and be topstitched 1/16" from top and bottom edges. For proper appearance with clip on tie, the stand shall be fastened with one button so that there shall be a tie space of ¼" when the collar is buttoned. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- II-A, B Two-Piece Shirt Collar:** The garment shall have a two piece shirt collar. The points on the collar leaf shall measure 2 7/8" in length and be topstitched ¼" from the edge. The collar leaf shall be 1 ½" from roll line to bottom edge of collar at center back. The collar stand shall measure 1 5/16" at center back and be topstitched 1/16" from top and bottom edges. For proper appearance with clip on tie, the stand shall be fastened with one button so that there shall be a tie space of ¼" when the collar is buttoned. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- I-C,D,E Convertible Collar:** The garment shall have a one piece convertible collar. The points on the collar shall measure 3 ¼" in length, 3 ¼" at center back, and be topstitched ¼" from the edge. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- II-C,D,E Convertible Collar:** The garment shall have a one-piece convertible collar. The points on the collar shall measure 2 7/8" in length, 2 7/8" at center back, and be topstitched ¼" from the edge. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- I-A,C,D Shoulder Straps:** Shoulder straps shall be 2" at sleeve head and tapered to 1 ¾"-1 ½". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends.
- I-B, E Shoulder Straps:** Shoulder straps shall be 2" at sleeve head and tapered to 1 ¾"-1 ½". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends. **The shoulder straps shall be sewn down around the edges.**
- II-A,C,D Shoulder Straps:** Shoulder straps shall be 1 5/8" at sleeve head and tapered to 1 3/8"-1 ¼". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends.
- II-B, E Shoulder Straps:** Shoulder straps shall be 1 5/8" at sleeve head and tapered to 1 3/8"-1 ¼". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends. **The shoulder straps shall be sewn down around the edges.**

ATTACHMENT B

- I-A,B Front for Two-Piece Shirt Collar:** Each front shall have a facing 2 ½" in width extending from the neckline to the bottom of the shirt, and provided by a turn under of material. The left front shall contain 6 vertical buttonholes placed ¾" from the edge of the plait and be 3 ½" apart. There shall be one button on the collar stand placed ¾" from edge. The button stand shall be 7/8" wide and be placed on the left side of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-B **Add 2" to shirt length.**
- II-A, B Front for Two-Piece Shirt Collar:** Each front shall have a facing 2 ½" in width extending from the neckline to the bottom of the shirt, and provided by a turn under of material. The right front shall contain 6 vertical buttonholes placed ¾" from the edge of the plait and be 3 ½" apart. There shall be one button on the collar stand placed ¾" from edge. The button stand shall be 7/8" wide and be placed on the right side of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-B **Add 2" to shirt length.**
- II-C,D,E Front for Convertible Collar:** Each front shall have a 3" facing provided by a turn under of material. The facings shall extend from the neckline to the bottom of the shirt. The left front shall contain 7 vertical cut buttonholes placed ¾" from the edge. The center of the first buttonhole shall be 5/8" from the top edge at center front. The second buttonhole shall be positioned 2 ½" from the top button with remaining buttonholes spaced 3 ¾" apart. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-D, E **Add 2" to shirt length.**
- II-C,D,E Front for Convertible Collar:** Each front shall have a ½" facing provided by a turn under of material. The facings shall extend from the neckline to the bottom of the shirt. The right front shall contain 6 vertical buttonholes placed ¾" from the edge. The center of the first buttonhole shall be ½" from the top edge center front. The second buttonhole shall be positioned 2 ½" from the top button with remaining buttonholes spaced 3 ½" apart. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- II-D, E **Add 2" to shirt length.**
- *-A,C,D Badge Reinforcement:** The shirt shall have a 1" wide inside sling type badge holder extending from the shoulder joining seam to pocket of the left front and constructed of the basic material. Two small, uncut buttonholes shall be 1 1/8" apart with the lower buttonhole approximately 1 ¼" above top of left pocket flap.
- * Pocket Flaps:** There shall be two deep scalloped flaps, 5 7/8" wide, 2 ¼" at sides, and 2 ¾" at center. There shall be a 1 ½" pencil opening through the left flap and a vertical uncut buttonhole in the center of the flap with a button sewn on top of the buttonhole. The flaps shall be topstitched 1/8" from edge and attached to the shirt front with a double row, ¼" gauge stitching. The underside of the flap shall have hook and pile tape, approximately 1" long by 3/8" wide, positioned on outer points of both pocket flaps.
- * Pockets:** Both pockets shall have 1 ½" centered pleats stitched to prevent spreading. Pockets shall be 5 ½" wide x 5 ¾" deep with bottom mitered corners. The left pocket shall have a pencil slot 1 ½" from center edge. Upper hem shall be ½" wide. Pockets shall be topstitched 1/16" gauge with ¾" triangle tacks at upper corners. Both pockets shall have an approximately 1" long by 3/8" wide piece of hook and pile tape positioned to correspond with the hook and pile tape on each outer scalloped flap point.

ATTACHMENT B

- I-*** **Yoke & Back:** The yoke shall be constructed of two pieces. The outside yoke shall be made of the same fabric as the outer shell of the garment and the inside yoke shall be made of the lining fabric. The yoke shall be 3 ½” at center back and 3 ¾” at armhole.
- II-*** **Yoke & Back:** The yoke shall be constructed of two pieces. The outside yoke shall be made of the same fabric as the outer shell of the garment and the inside yoke shall be made of the lining fabric. The yoke shall be 3 ½” at center back and 3 ¾” at armhole.
- I-A, B** **Long Sleeves:** Each sleeve shall have a 5” long sleeve placket with a 1” wide top placket and a ½” wide bottom placket. The sleeve placket is 5” long with top and bottom facings. A vertical buttonhole shall be sewn 2 ½” from top of cuff centered on top placket with matching button centered on bottom.
- Cuffs:** Cuffs shall be 2 ¾” in depth with rounded corners ¼” topstitching at bottom and double stitched 3/8” gauge topstitching where cuff joins sleeve. Two horizontal buttons with corresponding horizontal buttonhole shall be centered on each cuff 1 ¼” apart.
- II-A, B** **Long Sleeves:** Each sleeve shall have a 5” long sleeve placket with a 1” wide top placket and a ½” wide bottom placket. The sleeve is 5” long with top and bottom facings. A vertical buttonhole shall be sewn 2 ½” from top of cuff centered on top placket with matching button centered on bottom.
- Cuffs:** Cuffs shall be 2 ½” in depth with rounded corners ¼” topstitching at bottom and double stitched 3/8” gauge topstitching where cuff joins sleeve. Two horizontal buttons with corresponding horizontal buttonhole shall be centered on each cuff 1” apart.
- *-C,D,E** **Short Sleeves:** The sleeve shall be approximately 9” long from the shoulder seam. There shall be a ¾” hem turned to the inside with the folded edge topstitched 1/16” from the upper folded edge. The bottom edge of the sleeve closing seam shall bartacked within 1/8” of the lower edge.
- *** **Bottoms:** A ¼” rolled hem at the bottom of the garment is preferred.
- *-A,C,D** **Military Creases:** There shall be five 1/16” sharp military creases on the shirt. There shall be one crease on each front, centered vertically through pocket and flap. Spacing for military creases on shirt back shall be proportionate to the size of the shirt. For lightweight fabric (4 to 6 ounces) creases must be stitched in; for heavy fabrics (10 ounce) stitches shall be baked in.
- *** **Patch:** The organizations shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 1 ¼ to 1 ½” below the shoulder seam depending on the garment size. The patch shall be sewn with matching thread and attached so that the edges do not roll-up after washing.

ATTACHMENT B

Sizes and Measurements

I-A, B	Sizes:	<u>Neck</u>	<u>Sleeve</u>
		14	31-33
		14.5	31-34
		15	31-35
		15.5	31-36
		16	31-36
		16.5	31-36
		17	31-37
		17.5	31-37
		18	31-36
		18.5	33-37
		19	33-36
		20	33-36
		21	33-36
		22	33-36

I-C,D,E **Sizes:** S-4XL

II-A,B	Sizes:	<u>Bust Size</u>	<u>Sleeve</u> (R-Regular, L-Long—L=sleeve length + 1”)
		28	30 R
		30	30 R&L
		32	30 R&L
		34	30 R&L
		36	31 R&L
		38	31 R&L
		40	32 R&L
		42	33 R&L
		44	33 R&L
		46	33 R&L
		48	33 R&L
		50	33 R&L

II-C,D,E **Sizes:** 28-50 in even sizes only.

* **Pressing and Finishing:** Component parts shall be pressed on hot head machines; finished shirt shall be pressed and folded using jet clips or non-corrosive fasteners.

ATTACHMENT B

N454 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab

Specifications are identical for the following other components:

C421 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
N430 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
C422 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
N428 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
C427 Shirt, Male, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N432 Shirt, Male, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N600 Shirt, Male, Grey 5.5 Oz. 65/35 P/C Twill, LS without Badge Tab
N431 Shirt, Male, Grey 5.5 Oz. 65/35 P/C Twill, SS, CC, without Badge Tab
C447 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
N456 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
C448 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
C453 Shirt, Female, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N458 Shirt, Female, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N457 Shirt, Female, Grey 5.5 Oz. 65/35 P/C Twill, LS without Badge Tab
N601 Shirt, Female, Grey 5.5 Oz. 65/35 P/C Twill, SS, CC, without Badge Tab

Sample Size: Male-16x33, Female-36

GENERAL DESCRIPTION

The garment is form fitting with two pleated breast pockets with scalloped flaps and shoulder straps. The shirt has military creases, a pencil slot, and a shoulder emblem. Variations of this garment shall include male and female:

Long-vs-short sleeves (LS, SS)

Two-piece shirt collar-vs-convertible collar (2PC, CC)

Tropical weave-vs-poplin-vs-twill (Trop, Pop, Twill)

TYPE ITEMS: * - All Items		Type I - Male Items	Type II - Female Items
CLASSIFICATION		COE # (M/F)	NPS # (M/F)
*	All Items	*	*
A	LS, 2 piece collar w BT, Trop	C421/C447	N430/N456
B	LS, 2 piece collar wo BT, Twill**	--	N600/N457
C	SS, CC, w BT, Trop	C422/C448	N428/N454
D	SS, CC, w BT, Pop**		

** see special note under **FRONT**

SALIENT CHARACTERISTICS

Components

Type-Class

*-A, C **Basic Material:** The material shall be shade #51, Nickel Grey or equal 10 Oz. 65/35 polyester/rayon tropical weave matching standard sample.

*-D **Basic Material:** The material shall be Nickel grey 4 Oz. 65/35 polyester/cotton poplin weave matching the standard sample.

ATTACHMENT B

- *-B, E **Basic Material:** The material shall be Grey 5.5 Oz. 65/35 polyester/combed cotton twill weave matching Milliken 2640-5598.
- * **Linings:** Shall have collar and yoke linings that are compatible with the construction of the shirts.
- * **Thread:** Sewing thread for all operations shall be cotton covered polyester, dyed to match shade of self material, and conforming to ticket numbers 50-2 ply or 50-3 ply.
- * **Buttons:** Buttons shall be first grade 19 ligne pearlescent plastic buttons and shall match the color of basic material.
- * **Collar Stays:** The collar stay shall be made of good quality vinyl, attached to the inside of the bottom collar leaf, and come out to the stitching line.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Cutting:** Collars, bands, pockets, and flaps shall be cut to ensure uniformity.
- * **Stitching:** A lockstitch (301) shall be used throughout, except inserting the sleeve and side closing operations, which shall be safety stitched (516). All topstitching shall be ¼" from edge. There shall be 10 to 14 stitches per inch required.
- I-A,B **Button Holes For Two-Piece Shirt Collar:** The shirt shall have 7 cut buttonholes down the front. For proper appearance with clip-on tie, the stand shall be fastened with one button so there shall be a tie space of ¼" when collar is buttoned. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.
- I-C,D,E **Button Holes For Convertible Collar:** The shirt shall have 7 cut buttonholes down the front left facing. The center of the first buttonhole shall be 5/8" from top edge at center front. The center of the second buttonhole on the left facing shall be 2 ½" from the bottom of the top buttonhole. The remaining buttonholes shall be spaced 3 ¾" apart. There shall be 1 cut buttonhole on each shoulder strap, 1 uncut buttonhole on each pocket flap, and 2 cut buttonholes on each cuff. A vertical cut buttonhole shall be sewn on the sleeve placket opening 2 ½" from the top of the cuff, centered on the top placket with a matching button centered on bottom placket.
- II-A, B **Button Holes For Two-Piece Shirt Collar:** The shirt shall have 6 cut buttonholes down the front. The center of the first buttonhole shall be placed on the collar band 1" from edge. The center of the second buttonhole which is on the center plait shall be 3 ¼" from the bottom of the collar. For proper appearance with clip-on tie, the stand shall be fastened with one button so there shall be a tie space of ¼" when collar is buttoned. The remaining buttonholes shall be spaced 3 ½" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.
- II-C,D,E **Button Holes For Convertible Collar:** The shirt shall have 6 cut buttonholes down the front right facing. The center of the first buttonhole shall be ½" from top edge at center front. The center of the second buttonhole on the right facing shall be 2 ½" from the bottom of the top buttonhole. The remaining buttonholes shall be spaced 3 ½" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.

ATTACHMENT B

Detail Design Characteristics

- I-A, B Two-Piece Shirt Collar:** The garment shall have a two piece shirt collar. The points on the collar leaf shall measure 3 ¼" in length and be topstitched ¼" from the edge. The collar leaf shall be 1 ¾" from roll line to bottom edge of collar at center back. The collar stand shall measure 1 5/16" at center back and be topstitched 1/16" from top and bottom edges. For proper appearance with clip on tie, the stand shall be fastened with one button so that there shall be a tie space of ¼" when the collar is buttoned. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- II-A, B Two-Piece Shirt Collar:** The garment shall have a two piece shirt collar. The points on the collar leaf shall measure 2 7/8" in length and be topstitched ¼" from the edge. The collar leaf shall be 1 ½" from roll line to bottom edge of collar at center back. The collar stand shall measure 1 5/16" at center back and be topstitched 1/16" from top and bottom edges. For proper appearance with clip on tie, the stand shall be fastened with one button so that there shall be a tie space of ¼" when the collar is buttoned. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- I-C,D,E Convertible Collar:** The garment shall have a one piece convertible collar. The points on the collar shall measure 3 ¼" in length, 3 ¼" at center back, and be topstitched ¼" from the edge. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- II-C,D,E Convertible Collar:** The garment shall have a one-piece convertible collar. The points on the collar shall measure 2 7/8" in length, 2 7/8" at center back, and be topstitched ¼" from the edge. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- I-A,C,D Shoulder Straps:** Shoulder straps shall be 2" at sleeve head and tapered to 1 ¾"-1 ½". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends.
- I-B, E Shoulder Straps:** Shoulder straps shall be 2" at sleeve head and tapered to 1 ¾"-1 ½". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends. **The shoulder straps shall be sewn down around the edges.**
- II-A,C,D Shoulder Straps:** Shoulder straps shall be 1 5/8" at sleeve head and tapered to 1 3/8"-1 ¼". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends.
- II-B, E Shoulder Straps:** Shoulder straps shall be 1 5/8" at sleeve head and tapered to 1 3/8"-1 ¼". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends. **The shoulder straps shall be sewn down around the edges.**

ATTACHMENT B

- I-A,B Front for Two-Piece Shirt Collar:** Each front shall have a facing 2 ½" in width extending from the neckline to the bottom of the shirt, and provided by a turn under of material. The left front shall contain 6 vertical buttonholes placed ¾" from the edge of the plait and be 3 ½" apart. There shall be one button on the collar stand placed ¾" from edge. The button stand shall be 7/8" wide and be placed on the left side of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-B **Add 2" to shirt length.**
- II-A, B Front for Two-Piece Shirt Collar:** Each front shall have a facing 2 ½" in width extending from the neckline to the bottom of the shirt, and provided by a turn under of material. The right front shall contain 6 vertical buttonholes placed ¾" from the edge of the plait and be 3 ½" apart. There shall be one button on the collar stand placed ¾" from edge. The button stand shall be 7/8" wide and be placed on the right side of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-B **Add 2" to shirt length.**
- II-C,D,E Front for Convertible Collar:** Each front shall have a 3" facing provided by a turn under of material. The facings shall extend from the neckline to the bottom of the shirt. The left front shall contain 7 vertical cut buttonholes placed ¾" from the edge. The center of the first buttonhole shall be 5/8" from the top edge at center front. The second buttonhole shall be positioned 2 ½" from the top button with remaining buttonholes spaced 3 ¾" apart. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-D, E **Add 2" to shirt length.**
- II-C,D,E Front for Convertible Collar:** Each front shall have a ½" facing provided by a turn under of material. The facings shall extend from the neckline to the bottom of the shirt. The right front shall contain 6 vertical buttonholes placed ¾" from the edge. The center of the first buttonhole shall be ½" from the top edge center front. The second buttonhole shall be positioned 2 ½" from the top button with remaining buttonholes spaced 3 ½" apart. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- II-D, E **Add 2" to shirt length.**
- *-A,C,D Badge Reinforcement:** The shirt shall have a 1" wide inside sling type badge holder extending from the shoulder joining seam to pocket of the left front and constructed of the basic material. Two small, uncut buttonholes shall be 1 1/8" apart with the lower buttonhole approximately 1 ¼" above top of left pocket flap.
- * Pocket Flaps:** There shall be two deep scalloped flaps, 5 7/8" wide, 2 ¼" at sides, and 2 ¾" at center. There shall be a 1 ½" pencil opening through the left flap and a vertical uncut buttonhole in the center of the flap with a button sewn on top of the buttonhole. The flaps shall be topstitched 1/8" from edge and attached to the shirt front with a double row, ¼" gauge stitching. The underside of the flap shall have hook and pile tape, approximately 1" long by 3/8" wide, positioned on outer points of both pocket flaps.
- * Pockets:** Both pockets shall have 1 ½" centered pleats stitched to prevent spreading. Pockets shall be 5 ½" wide x 5 ¾" deep with bottom mitered corners. The left pocket shall have a pencil slot 1 ½" from center edge. Upper hem shall be ½" wide. Pockets shall be topstitched 1/16" gauge with ¾" triangle tacks at upper corners. Both pockets shall have an approximately 1" long by 3/8" wide piece of hook and pile tape positioned to correspond with the hook and pile tape on each outer scalloped flap point.

ATTACHMENT B

- I-*** **Yoke & Back:** The yoke shall be constructed of two pieces. The outside yoke shall be made of the same fabric as the outer shell of the garment and the inside yoke shall be made of the lining fabric. The yoke shall be 3 ½" at center back and 3 ¾" at armhole.
- II-*** **Yoke & Back:** The yoke shall be constructed of two pieces. The outside yoke shall be made of the same fabric as the outer shell of the garment and the inside yoke shall be made of the lining fabric. The yoke shall be 3 ½" at center back and 3 ¾" at armhole.
- I-A, B** **Long Sleeves:** Each sleeve shall have a 5" long sleeve placket with a 1" wide top placket and a ½" wide bottom placket. The sleeve placket is 5" long with top and bottom facings. A vertical buttonhole shall be sewn 2 ½" from top of cuff centered on top placket with matching button centered on bottom.
- Cuffs:** Cuffs shall be 2 ¾" in depth with rounded corners ¼" topstitching at bottom and double stitched 3/8" gauge topstitching where cuff joins sleeve. Two horizontal buttons with corresponding horizontal buttonhole shall be centered on each cuff 1 ¼" apart.
- II-A, B** **Long Sleeves:** Each sleeve shall have a 5" long sleeve placket with a 1" wide top placket and a ½" wide bottom placket. The sleeve is 5" long with top and bottom facings. A vertical buttonhole shall be sewn 2 ½" from top of cuff centered on top placket with matching button centered on bottom.
- Cuffs:** Cuffs shall be 2 ½" in depth with rounded corners ¼" topstitching at bottom and double stitched 3/8" gauge topstitching where cuff joins sleeve. Two horizontal buttons with corresponding horizontal buttonhole shall be centered on each cuff 1" apart.
- *-C,D,E** **Short Sleeves:** The sleeve shall be approximately 9" long from the shoulder seam. There shall be a ¾" hem turned to the inside with the folded edge topstitched 1/16" from the upper folded edge. The bottom edge of the sleeve closing seam shall bartacked within 1/8" of the lower edge.
- *** **Bottoms:** A ¼" rolled hem at the bottom of the garment is preferred.
- *-A,C,D** **Military Creases:** There shall be five 1/16" sharp military creases on the shirt. There shall be one crease on each front, centered vertically through pocket and flap. Spacing for military creases on shirt back shall be proportionate to the size of the shirt. For lightweight fabric (4 to 6 ounces) creases must be stitched in; for heavy fabrics (10 ounce) stitches shall be baked in.
- *** **Patch:** The organizations shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 1 ¼ to 1 ½" below the shoulder seam depending on the garment size. The patch shall be sewn with matching thread and attached so that the edges do not roll-up after washing.

ATTACHMENT B

Sizes and Measurements

I-A, B	Sizes:	<u>Neck</u>	<u>Sleeve</u>
		14	31-33
		14.5	31-34
		15	31-35
		15.5	31-36
		16	31-36
		16.5	31-36
		17	31-37
		17.5	31-37
		18	31-36
		18.5	33-37
		19	33-36
		20	33-36
		21	33-36
		22	33-36

I-C,D,E **Sizes:** S-4XL

II-A,B	Sizes:	<u>Bust Size</u>	<u>Sleeve</u> (R-Regular, L-Long—L=sleeve length + 1”)
		28	30 R
		30	30 R&L
		32	30 R&L
		34	30 R&L
		36	31 R&L
		38	31 R&L
		40	32 R&L
		42	33 R&L
		44	33 R&L
		46	33 R&L
		48	33 R&L
		50	33 R&L

II-C,D,E **Sizes:** 28-50 in even sizes only.

* **Pressing and Finishing:** Component parts shall be pressed on hot head machines; finished shirt shall be pressed and folded using jet clips or non-corrosive fasteners.

ATTACHMENT B

N456 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab

Specifications are identical for the following other components:

C421 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
N430 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
C422 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
N428 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
C427 Shirt, Male, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N432 Shirt, Male, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N600 Shirt, Male, Grey 5.5 Oz. 65/35 P/C Twill, LS without Badge Tab
N431 Shirt, Male, Grey 5.5 Oz. 65/35 P/C Twill, SS, CC, without Badge Tab
C447 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
C448 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
N454 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
C453 Shirt, Female, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N458 Shirt, Female, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N457 Shirt, Female, Grey 5.5 Oz. 65/35 P/C Twill, LS without Badge Tab
N601 Shirt, Female, Grey 5.5 Oz. 65/35 P/C Twill, SS, CC, without Badge Tab

Sample Size: Male-16x33, Female-36

GENERAL DESCRIPTION

The garment is form fitting with two pleated breast pockets with scalloped flaps and shoulder straps. The shirt has military creases, a pencil slot, and a shoulder emblem. Variations of this garment shall include male and female:

Long-vs-short sleeves (LS, SS)

Two-piece shirt collar-vs-convertible collar (2PC, CC)

Tropical weave-vs-poplin-vs-twill (Trop, Pop, Twill)

TYPE ITEMS: * - All Items		Type I - Male Items	Type II - Female Items
CLASSIFICATION		COE # (M/F)	NPS # (M/F)
*	All Items	*	*
A	LS, 2 piece collar w BT, Trop	C421/C447	N430/N456
B	LS, 2 piece collar wo BT, Twill**	--	N600/N457
C	SS, CC, w BT, Trop	C422/C448	N428/N454
D	SS, CC, w BT, Pop**		

** see special note under **FRONT**

SALIENT CHARACTERISTICS

Components

Type-Class

*-A, C **Basic Material:** The material shall be shade #51, Nickel Grey or equal 10 Oz. 65/35 polyester/rayon tropical weave matching standard sample.

*-D **Basic Material:** The material shall be Nickel grey 4 Oz. 65/35 polyester/cotton poplin weave matching the standard sample.

ATTACHMENT B

- *-B, E **Basic Material:** The material shall be Grey 5.5 Oz. 65/35 polyester/combed cotton twill weave matching Milliken 2640-5598.
- * **Linings:** Shall have collar and yoke linings that are compatible with the construction of the shirts.
- * **Thread:** Sewing thread for all operations shall be cotton covered polyester, dyed to match shade of self material, and conforming to ticket numbers 50-2 ply or 50-3 ply.
- * **Buttons:** Buttons shall be first grade 19 ligne pearlescent plastic buttons and shall match the color of basic material.
- * **Collar Stays:** The collar stay shall be made of good quality vinyl, attached to the inside of the bottom collar leaf, and come out to the stitching line.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Cutting:** Collars, bands, pockets, and flaps shall be cut to ensure uniformity.
- * **Stitching:** A lockstitch (301) shall be used throughout, except inserting the sleeve and side closing operations, which shall be safety stitched (516). All topstitching shall be ¼" from edge. There shall be 10 to 14 stitches per inch required.
- I-A,B **Button Holes For Two-Piece Shirt Collar:** The shirt shall have 7 cut buttonholes down the front. For proper appearance with clip-on tie, the stand shall be fastened with one button so there shall be a tie space of ¼" when collar is buttoned. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.
- I-C,D,E **Button Holes For Convertible Collar:** The shirt shall have 7 cut buttonholes down the front left facing. The center of the first buttonhole shall be 5/8" from top edge at center front. The center of the second buttonhole on the left facing shall be 2 ½" from the bottom of the top buttonhole. The remaining buttonholes shall be spaced 3 ¾" apart. There shall be 1 cut buttonhole on each shoulder strap, 1 uncut buttonhole on each pocket flap, and 2 cut buttonholes on each cuff. A vertical cut buttonhole shall be sewn on the sleeve placket opening 2 ½" from the top of the cuff, centered on the top placket with a matching button centered on bottom placket.
- II-A, B **Button Holes For Two-Piece Shirt Collar:** The shirt shall have 6 cut buttonholes down the front. The center of the first buttonhole shall be placed on the collar band 1" from edge. The center of the second buttonhole which is on the center plait shall be 3 ¼" from the bottom of the collar. For proper appearance with clip-on tie, the stand shall be fastened with one button so there shall be a tie space of ¼" when collar is buttoned. The remaining buttonholes shall be spaced 3 ½" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.
- II-C,D,E **Button Holes For Convertible Collar:** The shirt shall have 6 cut buttonholes down the front right facing. The center of the first buttonhole shall be ½" from top edge at center front. The center of the second buttonhole on the right facing shall be 2 ½" from the bottom of the top buttonhole. The remaining buttonholes shall be spaced 3 ½" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.

ATTACHMENT B

Detail Design Characteristics

- I-A, B Two-Piece Shirt Collar:** The garment shall have a two piece shirt collar. The points on the collar leaf shall measure 3 ¼" in length and be topstitched ¼" from the edge. The collar leaf shall be 1 ¾" from roll line to bottom edge of collar at center back. The collar stand shall measure 1 5/16" at center back and be topstitched 1/16" from top and bottom edges. For proper appearance with clip on tie, the stand shall be fastened with one button so that there shall be a tie space of ¼" when the collar is buttoned. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- II-A, B Two-Piece Shirt Collar:** The garment shall have a two piece shirt collar. The points on the collar leaf shall measure 2 7/8" in length and be topstitched ¼" from the edge. The collar leaf shall be 1 ½" from roll line to bottom edge of collar at center back. The collar stand shall measure 1 5/16" at center back and be topstitched 1/16" from top and bottom edges. For proper appearance with clip on tie, the stand shall be fastened with one button so that there shall be a tie space of ¼" when the collar is buttoned. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- I-C,D,E Convertible Collar:** The garment shall have a one piece convertible collar. The points on the collar shall measure 3 ¼" in length, 3 ¼" at center back, and be topstitched ¼" from the edge. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- II-C,D,E Convertible Collar:** The garment shall have a one-piece convertible collar. The points on the collar shall measure 2 7/8" in length, 2 7/8" at center back, and be topstitched ¼" from the edge. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- I-A,C,D Shoulder Straps:** Shoulder straps shall be 2" at sleeve head and tapered to 1 ¾"-1 ½". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends.
- I-B, E Shoulder Straps:** Shoulder straps shall be 2" at sleeve head and tapered to 1 ¾"-1 ½". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends. **The shoulder straps shall be sewn down around the edges.**
- II-A,C,D Shoulder Straps:** Shoulder straps shall be 1 5/8" at sleeve head and tapered to 1 3/8"-1 ¼". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends.

ATTACHMENT B

- II-B, E Shoulder Straps:** Shoulder straps shall be 1 5/8" at sleeve head and tapered to 1 3/8"-1 1/4". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than 1/2" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends. **The shoulder straps shall be sewn down around the edges.**
- I-A,B Front for Two-Piece Shirt Collar:** Each front shall have a facing 2 1/2" in width extending from the neckline to the bottom of the shirt, and provided by a turn under of material. The left front shall contain 6 vertical buttonholes placed 3/4" from the edge of the plait and be 3 1/2" apart. There shall be one button on the collar stand placed 3/4" from edge. The button stand shall be 7/8" wide and be placed on the left side of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-B **Add 2" to shirt length.**
- II-A, B Front for Two-Piece Shirt Collar:** Each front shall have a facing 2 1/2" in width extending from the neckline to the bottom of the shirt, and provided by a turn under of material. The right front shall contain 6 vertical buttonholes placed 3/4" from the edge of the plait and be 3 1/2" apart. There shall be one button on the collar stand placed 3/4" from edge. The button stand shall be 7/8" wide and be placed on the right side of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-B **Add 2" to shirt length.**
- II-C,D,E Front for Convertible Collar:** Each front shall have a 3" facing provided by a turn under of material. The facings shall extend from the neckline to the bottom of the shirt. The left front shall contain 7 vertical cut buttonholes placed 3/4" from the edge. The center of the first buttonhole shall be 5/8" from the top edge at center front. The second buttonhole shall be positioned 2 1/2" from the top button with remaining buttonholes spaced 3 3/4" apart. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-D, E **Add 2" to shirt length.**
- II-C,D,E Front for Convertible Collar:** Each front shall have a 1/2" facing provided by a turn under of material. The facings shall extend from the neckline to the bottom of the shirt. The right front shall contain 6 vertical buttonholes placed 3/4" from the edge. The center of the first buttonhole shall be 1/2" from the top edge center front. The second buttonhole shall be positioned 2 1/2" from the top button with remaining buttonholes spaced 3 1/2" apart. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- II-D, E **Add 2" to shirt length.**
- *-A,C,D Badge Reinforcement:** The shirt shall have a 1" wide inside sling type badge holder extending from the shoulder joining seam to pocket of the left front and constructed of the basic material. Two small, uncut buttonholes shall be 1 1/8" apart with the lower buttonhole approximately 1 1/4" above top of left pocket flap.
- * Pocket Flaps:** There shall be two deep scalloped flaps, 5 7/8" wide, 2 1/4" at sides, and 2 3/4" at center. There shall be a 1 1/2" pencil opening through the left flap and a vertical uncut buttonhole in the center of the flap with a button sewn on top of the buttonhole. The flaps shall be topstitched 1/8" from edge and attached to the shirt front with a double row, 1/4" gauge stitching. The underside of the flap shall have hook and pile tape, approximately 1" long by 3/8" wide, positioned on outer points of both pocket flaps.

ATTACHMENT B

- *** **Pockets:** Both pockets shall have 1 ½" centered pleats stitched to prevent spreading. Pockets shall be 5 ½" wide x 5 ¾" deep with bottom mitered corners. The left pocket shall have a pencil slot 1 ½" from center edge. Upper hem shall be ½" wide. Pockets shall be topstitched 1/16" gauge with ¾" triangle tacks at upper corners. Both pockets shall have an approximately 1" long by 3/8" wide piece of hook and pile tape positioned to correspond with the hook and pile tape on each outer scalloped flap point.
- I-*** **Yoke & Back:** The yoke shall be constructed of two pieces. The outside yoke shall be made of the same fabric as the outer shell of the garment and the inside yoke shall be made of the lining fabric. The yoke shall be 3 ½" at center back and 3 ¾" at armhole.
- II-*** **Yoke & Back:** The yoke shall be constructed of two pieces. The outside yoke shall be made of the same fabric as the outer shell of the garment and the inside yoke shall be made of the lining fabric. The yoke shall be 3 ½" at center back and 3 ¾" at armhole.
- I-A, B** **Long Sleeves:** Each sleeve shall have a 5" long sleeve placket with a 1" wide top placket and a ½" wide bottom placket. The sleeve placket is 5" long with top and bottom facings. A vertical buttonhole shall be sewn 2 ½" from top of cuff centered on top placket with matching button centered on bottom.

Cuffs: Cuffs shall be 2 ¾" in depth with rounded corners ¼" topstitching at bottom and double stitched 3/8" gauge topstitching where cuff joins sleeve. Two horizontal buttons with corresponding horizontal buttonhole shall be centered on each cuff 1 ¼" apart.
- II-A, B** **Long Sleeves:** Each sleeve shall have a 5" long sleeve placket with a 1" wide top placket and a ½" wide bottom placket. The sleeve is 5" long with top and bottom facings. A vertical buttonhole shall be sewn 2 ½" from top of cuff centered on top placket with matching button centered on bottom.

Cuffs: Cuffs shall be 2 ½" in depth with rounded corners ¼" topstitching at bottom and double stitched 3/8" gauge topstitching where cuff joins sleeve. Two horizontal buttons with corresponding horizontal buttonhole shall be centered on each cuff 1" apart.
- *-C,D,E** **Short Sleeves:** The sleeve shall be approximately 9" long from the shoulder seam. There shall be a ¾" hem turned to the inside with the folded edge topstitched 1/16" from the upper folded edge. The bottom edge of the sleeve closing seam shall bartacked within 1/8" of the lower edge.
- *** **Bottoms:** A ¼" rolled hem at the bottom of the garment is preferred.
- *-A,C,D** **Military Creases:** There shall be five 1/16" sharp military creases on the shirt. There shall be one crease on each front, centered vertically through pocket and flap. Spacing for military creases on shirt back shall be proportionate to the size of the shirt. For lightweight fabric (4 to 6 ounces) creases must be stitched in; for heavy fabrics (10 ounce) stitches shall be baked in.
- *** **Patch:** The organizations shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 1 ¼ to 1 ½" below the shoulder seam depending on the garment size. The patch shall be sewn with matching thread and attached so that the edges do not roll-up after washing.

ATTACHMENT B

Sizes and Measurements

I-A, B	Sizes:	<u>Neck</u>	<u>Sleeve</u>
		14	31-33
		14.5	31-34
		15	31-35
		15.5	31-36
		16	31-36
		16.5	31-36
		17	31-37
		17.5	31-37
		18	31-36
		18.5	33-37
		19	33-36
		20	33-36
		21	33-36
		22	33-36

I-C,D,E **Sizes:** S-4XL

II-A,B	Sizes:	<u>Bust Size</u>	<u>Sleeve</u> (R-Regular, L-Long—L=sleeve length + 1”)
		28	30 R
		30	30 R&L
		32	30 R&L
		34	30 R&L
		36	31 R&L
		38	31 R&L
		40	32 R&L
		42	33 R&L
		44	33 R&L
		46	33 R&L
		48	33 R&L
		50	33 R&L

II-C,D,E **Sizes:** 28-50 in even sizes only.

* **Pressing and Finishing:** Component parts shall be pressed on hot head machines; finished shirt shall be pressed and folded using jet clips or non-corrosive fasteners.

ATTACHMENT B

N457 Shirt, Female, Grey 5.5 Oz. 65/35 P/C Twill, LS without Badge Tab

Specifications are identical for the following other components:

C421 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
N430 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
C422 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
N428 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
C427 Shirt, Male, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N432 Shirt, Male, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N600 Shirt, Male, Grey 5.5 Oz. 65/35 P/C Twill, LS without Badge Tab
N431 Shirt, Male, Grey 5.5 Oz. 65/35 P/C Twill, SS, CC, without Badge Tab
C447 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
N456 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
C448 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
N454 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
C453 Shirt, Female, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N458 Shirt, Female, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N601 Shirt, Female, Grey 5.5 Oz. 65/35 P/C Twill, SS, CC, without Badge Tab

Sample Size: Male-16x33, Female-36

GENERAL DESCRIPTION

The garment is form fitting with two pleated breast pockets with scalloped flaps and shoulder straps. The shirt has military creases, a pencil slot, and a shoulder emblem. Variations of this garment shall include male and female:

Long-vs-short sleeves (LS, SS)

Two-piece shirt collar-vs-convertible collar (2PC, CC)

TYPE ITEMS: * - All Items		Type I - Male Items	Type II - Female Items
CLASSIFICATION		COE # (M/F)	NPS # (M/F)
*	All Items	*	*
A	LS, 2 piece collar w BT, Trop	C421/C447	N430/N456
B	LS, 2 piece collar wo BT, Twill**	--	N600/N457
C	SS, CC, w BT, Trop	C422/C448	N428/N454
D	SS, CC, w BT, Pop**		

** see special note under **FRONT**

SALIENT CHARACTERISTICS

Components

Type-Class

*-A, C **Basic Material:** The material shall be shade #51, Nickel Grey or equal 10 Oz. 65/35 polyester/rayon tropical weave matching standard sample.

*-D **Basic Material:** The material shall be Nickel grey 4 Oz. 65/35 polyester/cotton poplin weave matching the standard sample.

ATTACHMENT B

- *-B, E **Basic Material:** The material shall be Grey 5.5 Oz. 65/35 polyester/combed cotton twill weave matching Milliken 2640-5598.
- * **Linings:** Shall have collar and yoke linings that are compatible with the construction of the shirts.
- * **Thread:** Sewing thread for all operations shall be cotton covered polyester, dyed to match shade of self material, and conforming to ticket numbers 50-2 ply or 50-3 ply.
- * **Buttons:** Buttons shall be first grade 19 ligne pearlescent plastic buttons and shall match the color of basic material.
- * **Collar Stays:** The collar stay shall be made of good quality vinyl, attached to the inside of the bottom collar leaf, and come out to the stitching line.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Cutting:** Collars, bands, pockets, and flaps shall be cut to ensure uniformity.
 - * **Stitching:** A lockstitch (301) shall be used throughout, except inserting the sleeve and side closing operations, which shall be safety stitched (516). All topstitching shall be ¼" from edge. There shall be 10 to 14 stitches per inch required.
- I-A,B **Button Holes For Two-Piece Shirt Collar:** The shirt shall have 7 cut buttonholes down the front. For proper appearance with clip-on tie, the stand shall be fastened with one button so there shall be a tie space of ¼" when collar is buttoned. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.
- I-C,D,E **Button Holes For Convertible Collar:** The shirt shall have 7 cut buttonholes down the front left facing. The center of the first buttonhole shall be 5/8" from top edge at center front. The center of the second buttonhole on the left facing shall be 2 ½" from the bottom of the top buttonhole. The remaining buttonholes shall be spaced 3 ¾" apart. There shall be 1 cut buttonhole on each shoulder strap, 1 uncut buttonhole on each pocket flap, and 2 cut buttonholes on each cuff. A vertical cut buttonhole shall be sewn on the sleeve placket opening 2 ½" from the top of the cuff, centered on the top placket with a matching button centered on bottom placket.
- II-A, B **Button Holes For Two-Piece Shirt Collar:** The shirt shall have 6 cut buttonholes down the front. The center of the first buttonhole shall be placed on the collar band 1" from edge. The center of the second buttonhole which is on the center plait shall be 3 ¼" from the bottom of the collar. For proper appearance with clip-on tie, the stand shall be fastened with one button so there shall be a tie space of ¼" when collar is buttoned. The remaining buttonholes shall be spaced 3 ½" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.
- II-C,D,E **Button Holes For Convertible Collar:** The shirt shall have 6 cut buttonholes down the front right facing. The center of the first buttonhole shall be ½" from top edge at center front. The center of the second buttonhole on the right facing shall be 2 ½" from the bottom of the top buttonhole. The remaining buttonholes shall be spaced 3 ½" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.

ATTACHMENT B

Detail Design Characteristics

- I-A, B Two-Piece Shirt Collar:** The garment shall have a two piece shirt collar. The points on the collar leaf shall measure 3 ¼" in length and be topstitched ¼" from the edge. The collar leaf shall be 1 ¾" from roll line to bottom edge of collar at center back. The collar stand shall measure 1 5/16" at center back and be topstitched 1/16" from top and bottom edges. For proper appearance with clip on tie, the stand shall be fastened with one button so that there shall be a tie space of ¼" when the collar is buttoned. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- II-A, B Two-Piece Shirt Collar:** The garment shall have a two piece shirt collar. The points on the collar leaf shall measure 2 7/8" in length and be topstitched ¼" from the edge. The collar leaf shall be 1 ½" from roll line to bottom edge of collar at center back. The collar stand shall measure 1 5/16" at center back and be topstitched 1/16" from top and bottom edges. For proper appearance with clip on tie, the stand shall be fastened with one button so that there shall be a tie space of ¼" when the collar is buttoned. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- I-C,D,E Convertible Collar:** The garment shall have a one piece convertible collar. The points on the collar shall measure 3 ¼" in length, 3 ¼" at center back, and be topstitched ¼" from the edge. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- II-C,D,E Convertible Collar:** The garment shall have a one-piece convertible collar. The points on the collar shall measure 2 7/8" in length, 2 7/8" at center back, and be topstitched ¼" from the edge. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- I-A,C,D Shoulder Straps:** Shoulder straps shall be 2" at sleeve head and tapered to 1 ¾"-1 ½". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends.
- I-B, E Shoulder Straps:** Shoulder straps shall be 2" at sleeve head and tapered to 1 ¾"-1 ½". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends. **The shoulder straps shall be sewn down around the edges.**
- II-A,C,D Shoulder Straps:** Shoulder straps shall be 1 5/8" at sleeve head and tapered to 1 3/8"-1 ¼". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends.
- II-B, E Shoulder Straps:** Shoulder straps shall be 1 5/8" at sleeve head and tapered to 1 3/8"-1 ¼". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends. **The shoulder straps shall be sewn down around the edges.**

ATTACHMENT B

- I-A,B Front for Two-Piece Shirt Collar:** Each front shall have a facing 2 ½" in width extending from the neckline to the bottom of the shirt, and provided by a turn under of material. The left front shall contain 6 vertical buttonholes placed ¾" from the edge of the plait and be 3 ½" apart. There shall be one button on the collar stand placed ¾" from edge. The button stand shall be 7/8" wide and be placed on the left side of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-B **Add 2" to shirt length.**
- II-A, B Front for Two-Piece Shirt Collar:** Each front shall have a facing 2 ½" in width extending from the neckline to the bottom of the shirt, and provided by a turn under of material. The right front shall contain 6 vertical buttonholes placed ¾" from the edge of the plait and be 3 ½" apart. There shall be one button on the collar stand placed ¾" from edge. The button stand shall be 7/8" wide and be placed on the right side of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-B **Add 2" to shirt length.**
- II-C,D,E Front for Convertible Collar:** Each front shall have a 3" facing provided by a turn under of material. The facings shall extend from the neckline to the bottom of the shirt. The left front shall contain 7 vertical cut buttonholes placed ¾" from the edge. The center of the first buttonhole shall be 5/8" from the top edge at center front. The second buttonhole shall be positioned 2 ½" from the top button with remaining buttonholes spaced 3 ¾" apart. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-D, E **Add 2" to shirt length.**
- II-C,D,E Front for Convertible Collar:** Each front shall have a ½" facing provided by a turn under of material. The facings shall extend from the neckline to the bottom of the shirt. The right front shall contain 6 vertical buttonholes placed ¾" from the edge. The center of the first buttonhole shall be ½" from the top edge center front. The second buttonhole shall be positioned 2 ½" from the top button with remaining buttonholes spaced 3 ½" apart. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- II-D, E **Add 2" to shirt length.**
- *-A,C,D Badge Reinforcement:** The shirt shall have a 1" wide inside sling type badge holder extending from the shoulder joining seam to pocket of the left front and constructed of the basic material. Two small, uncut buttonholes shall be 1 1/8" apart with the lower buttonhole approximately 1 ¼" above top of left pocket flap.
- * Pocket Flaps:** There shall be two deep scalloped flaps, 5 7/8" wide, 2 ¼" at sides, and 2 ¾" at center. There shall be a 1 ½" pencil opening through the left flap and a vertical uncut buttonhole in the center of the flap with a button sewn on top of the buttonhole. The flaps shall be topstitched 1/8" from edge and attached to the shirt front with a double row, ¼" gauge stitching. The underside of the flap shall have hook and pile tape, approximately 1" long by 3/8" wide, positioned on outer points of both pocket flaps.
- * Pockets:** Both pockets shall have 1 ½" centered pleats stitched to prevent spreading. Pockets shall be 5 ½" wide x 5 ¾" deep with bottom mitered corners. The left pocket shall have a pencil slot 1 ½" from center edge. Upper hem shall be ½" wide. Pockets shall be topstitched 1/16" gauge with ¾" triangle tacks at upper corners. Both pockets shall have an approximately 1" long by 3/8" wide piece of hook and pile tape positioned to correspond with the hook and pile tape on each outer scalloped flap point.

ATTACHMENT B

- I-*** **Yoke & Back:** The yoke shall be constructed of two pieces. The outside yoke shall be made of the same fabric as the outer shell of the garment and the inside yoke shall be made of the lining fabric. The yoke shall be 3 ½” at center back and 3 ¾” at armhole.
- II-*** **Yoke & Back:** The yoke shall be constructed of two pieces. The outside yoke shall be made of the same fabric as the outer shell of the garment and the inside yoke shall be made of the lining fabric. The yoke shall be 3 ½” at center back and 3 ¾” at armhole.
- I-A, B** **Long Sleeves:** Each sleeve shall have a 5” long sleeve placket with a 1” wide top placket and a ½” wide bottom placket. The sleeve placket is 5” long with top and bottom facings. A vertical buttonhole shall be sewn 2 ½” from top of cuff centered on top placket with matching button centered on bottom.
- Cuffs:** Cuffs shall be 2 ¾” in depth with rounded corners ¼” topstitching at bottom and double stitched 3/8” gauge topstitching where cuff joins sleeve. Two horizontal buttons with corresponding horizontal buttonhole shall be centered on each cuff 1 ¼” apart.
- II-A, B** **Long Sleeves:** Each sleeve shall have a 5” long sleeve placket with a 1” wide top placket and a ½” wide bottom placket. The sleeve is 5” long with top and bottom facings. A vertical buttonhole shall be sewn 2 ½” from top of cuff centered on top placket with matching button centered on bottom.
- Cuffs:** Cuffs shall be 2 ½” in depth with rounded corners ¼” topstitching at bottom and double stitched 3/8” gauge topstitching where cuff joins sleeve. Two horizontal buttons with corresponding horizontal buttonhole shall be centered on each cuff 1” apart.
- *-C,D,E** **Short Sleeves:** The sleeve shall be approximately 9” long from the shoulder seam. There shall be a ¾” hem turned to the inside with the folded edge topstitched 1/16” from the upper folded edge. The bottom edge of the sleeve closing seam shall bartacked within 1/8” of the lower edge.
- *** **Bottoms:** A ¼” rolled hem at the bottom of the garment is preferred.
- *-A,C,D** **Military Creases:** There shall be five 1/16” sharp military creases on the shirt. There shall be one crease on each front, centered vertically through pocket and flap. Spacing for military creases on shirt back shall be proportionate to the size of the shirt. For lightweight fabric (4 to 6 ounces) creases must be stitched in; for heavy fabrics (10 ounce) stitches shall be baked in.
- *** **Patch:** The organizations shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 1 ¼ to 1 ½” below the shoulder seam depending on the garment size. The patch shall be sewn with matching thread and attached so that the edges do not roll-up after washing.

ATTACHMENT B

Sizes and Measurements

I-A, B	Sizes:	<u>Neck</u>	<u>Sleeve</u>
		14	31-33
		14.5	31-34
		15	31-35
		15.5	31-36
		16	31-36
		16.5	31-36
		17	31-37
		17.5	31-37
		18	31-36
		18.5	33-37
		19	33-36
		20	33-36
		21	33-36
		22	33-36

I-C,D,E **Sizes:** S-4XL

II-A,B	Sizes:	<u>Bust Size</u>	<u>Sleeve</u> (R-Regular, L-Long—L=sleeve length + 1”)
		28	30 R
		30	30 R&L
		32	30 R&L
		34	30 R&L
		36	31 R&L
		38	31 R&L
		40	32 R&L
		42	33 R&L
		44	33 R&L
		46	33 R&L
		48	33 R&L
		50	33 R&L

II-C,D,E **Sizes:** 28-50 in even sizes only.

* **Pressing and Finishing:** Component parts shall be pressed on hot head machines; finished shirt shall be pressed and folded using jet clips or non-corrosive fasteners.

ATTACHMENT B

N458 Shirt, Female, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab

Specifications are identical for the following other components:

C421 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
N430 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
C422 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
N428 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
C427 Shirt, Male, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N432 Shirt, Male, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N600 Shirt, Male, Grey 5.5 Oz. 65/35 P/C Twill, LS without Badge Tab
N431 Shirt, Male, Grey 5.5 Oz. 65/35 P/C Twill, SS, CC, without Badge Tab
C447 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
N456 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
C448 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
N454 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
C453 Shirt, Female, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N457 Shirt, Female, Grey 5.5 Oz. 65/35 P/C Twill, LS without Badge Tab
N601 Shirt, Female, Grey 5.5 Oz. 65/35 P/C Twill, SS, CC, without Badge Tab

Sample Size: Male-16x33, Female-36

GENERAL DESCRIPTION

The garment is form fitting with two pleated breast pockets with scalloped flaps and shoulder straps. The shirt has military creases, a pencil slot, and a shoulder emblem. Variations of this garment shall include male and female:

Long-vs-short sleeves (LS, SS)

Two-piece shirt collar-vs-convertible collar (2PC, CC)

TYPE ITEMS: * - All Items		Type I - Male Items	Type II - Female Items
CLASSIFICATION		COE # (M/F)	NPS # (M/F)
*	All Items	*	*
A	LS, 2 piece collar w BT, Trop	C421/C447	N430/N456
B	LS, 2 piece collar wo BT, Twill**	--	N600/N457
C	SS, CC, w BT, Trop	C422/C448	N428/N454
D	SS, CC, w BT, Pop**		

** see special note under **FRONT**

SALIENT CHARACTERISTICS

Components

Type-Class

*-A, C **Basic Material:** The material shall be shade #51, Nickel Grey or equal 10 Oz. 65/35 polyester/rayon tropical weave matching standard sample.

*-D **Basic Material:** The material shall be Nickel grey 4 Oz. 65/35 polyester/cotton poplin weave matching the standard sample.

ATTACHMENT B

- *-B, E **Basic Material:** The material shall be Grey 5.5 Oz. 65/35 polyester/combed cotton twill weave matching Milliken 2640-5598.
- * **Linings:** Shall have collar and yoke linings that are compatible with the construction of the shirts.
- * **Thread:** Sewing thread for all operations shall be cotton covered polyester, dyed to match shade of self material, and conforming to ticket numbers 50-2 ply or 50-3 ply.
- * **Buttons:** Buttons shall be first grade 19 ligne pearlescent plastic buttons and shall match the color of basic material.
- * **Collar Stays:** The collar stay shall be made of good quality vinyl, attached to the inside of the bottom collar leaf, and come out to the stitching line.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Cutting:** Collars, bands, pockets, and flaps shall be cut to ensure uniformity.
- * **Stitching:** A lockstitch (301) shall be used throughout, except inserting the sleeve and side closing operations, which shall be safety stitched (516). All topstitching shall be ¼" from edge. There shall be 10 to 14 stitches per inch required.
- I-A,B **Button Holes For Two-Piece Shirt Collar:** The shirt shall have 7 cut buttonholes down the front. For proper appearance with clip-on tie, the stand shall be fastened with one button so there shall be a tie space of ¼" when collar is buttoned. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.
- I-C,D,E **Button Holes For Convertible Collar:** The shirt shall have 7 cut buttonholes down the front left facing. The center of the first buttonhole shall be 5/8" from top edge at center front. The center of the second buttonhole on the left facing shall be 2 ½" from the bottom of the top buttonhole. The remaining buttonholes shall be spaced 3 ¾" apart. There shall be 1 cut buttonhole on each shoulder strap, 1 uncut buttonhole on each pocket flap, and 2 cut buttonholes on each cuff. A vertical cut buttonhole shall be sewn on the sleeve placket opening 2 ½" from the top of the cuff, centered on the top placket with a matching button centered on bottom placket.
- II-A, B **Button Holes For Two-Piece Shirt Collar:** The shirt shall have 6 cut buttonholes down the front. The center of the first buttonhole shall be placed on the collar band 1" from edge. The center of the second buttonhole which is on the center plait shall be 3 ¼" from the bottom of the collar. For proper appearance with clip-on tie, the stand shall be fastened with one button so there shall be a tie space of ¼" when collar is buttoned. The remaining buttonholes shall be spaced 3 ½" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.
- II-C,D,E **Button Holes For Convertible Collar:** The shirt shall have 6 cut buttonholes down the front right facing. The center of the first buttonhole shall be ½" from top edge at center front. The center of the second buttonhole on the right facing shall be 2 ½" from the bottom of the top buttonhole. The remaining buttonholes shall be spaced 3 ½" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.

ATTACHMENT B

Detail Design Characteristics

- I-A, B Two-Piece Shirt Collar:** The garment shall have a two piece shirt collar. The points on the collar leaf shall measure 3 ¼" in length and be topstitched ¼" from the edge. The collar leaf shall be 1 ¾" from roll line to bottom edge of collar at center back. The collar stand shall measure 1 5/16" at center back and be topstitched 1/16" from top and bottom edges. For proper appearance with clip on tie, the stand shall be fastened with one button so that there shall be a tie space of ¼" when the collar is buttoned. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- II-A, B Two-Piece Shirt Collar:** The garment shall have a two piece shirt collar. The points on the collar leaf shall measure 2 7/8" in length and be topstitched ¼" from the edge. The collar leaf shall be 1 ½" from roll line to bottom edge of collar at center back. The collar stand shall measure 1 5/16" at center back and be topstitched 1/16" from top and bottom edges. For proper appearance with clip on tie, the stand shall be fastened with one button so that there shall be a tie space of ¼" when the collar is buttoned. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- I-C,D,E Convertible Collar:** The garment shall have a one piece convertible collar. The points on the collar shall measure 3 ¼" in length, 3 ¼" at center back, and be topstitched ¼" from the edge. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- II-C,D,E Convertible Collar:** The garment shall have a one-piece convertible collar. The points on the collar shall measure 2 7/8" in length, 2 7/8" at center back, and be topstitched ¼" from the edge. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- I-A,C,D Shoulder Straps:** Shoulder straps shall be 2" at sleeve head and tapered to 1 ¾"-1 ½". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends.
- I-B, E Shoulder Straps:** Shoulder straps shall be 2" at sleeve head and tapered to 1 ¾"-1 ½". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends. **The shoulder straps shall be sewn down around the edges.**
- II-A,C,D Shoulder Straps:** Shoulder straps shall be 1 5/8" at sleeve head and tapered to 1 3/8"-1 ¼". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends.
- II-B, E Shoulder Straps:** Shoulder straps shall be 1 5/8" at sleeve head and tapered to 1 3/8"-1 ¼". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends. **The shoulder straps shall be sewn down around the edges.**

ATTACHMENT B

- I-A,B Front for Two-Piece Shirt Collar:** Each front shall have a facing 2 ½" in width extending from the neckline to the bottom of the shirt, and provided by a turn under of material. The left front shall contain 6 vertical buttonholes placed ¾" from the edge of the plait and be 3 ½" apart. There shall be one button on the collar stand placed ¾" from edge. The button stand shall be 7/8" wide and be placed on the left side of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-B **Add 2" to shirt length.**
- II-A, B Front for Two-Piece Shirt Collar:** Each front shall have a facing 2 ½" in width extending from the neckline to the bottom of the shirt, and provided by a turn under of material. The right front shall contain 6 vertical buttonholes placed ¾" from the edge of the plait and be 3 ½" apart. There shall be one button on the collar stand placed ¾" from edge. The button stand shall be 7/8" wide and be placed on the right side of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-B **Add 2" to shirt length.**
- II-C,D,E Front for Convertible Collar:** Each front shall have a 3" facing provided by a turn under of material. The facings shall extend from the neckline to the bottom of the shirt. The left front shall contain 7 vertical cut buttonholes placed ¾" from the edge. The center of the first buttonhole shall be 5/8" from the top edge at center front. The second buttonhole shall be positioned 2 ½" from the top button with remaining buttonholes spaced 3 ¾" apart. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-D, E **Add 2" to shirt length.**
- II-C,D,E Front for Convertible Collar:** Each front shall have a ½" facing provided by a turn under of material. The facings shall extend from the neckline to the bottom of the shirt. The right front shall contain 6 vertical buttonholes placed ¾" from the edge. The center of the first buttonhole shall be ½" from the top edge center front. The second buttonhole shall be positioned 2 ½" from the top button with remaining buttonholes spaced 3 ½" apart. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- II-D, E **Add 2" to shirt length.**
- *-A,C,D Badge Reinforcement:** The shirt shall have a 1" wide inside sling type badge holder extending from the shoulder joining seam to pocket of the left front and constructed of the basic material. Two small, uncut buttonholes shall be 1 1/8" apart with the lower buttonhole approximately 1 ¼" above top of left pocket flap.
- * Pocket Flaps:** There shall be two deep scalloped flaps, 5 7/8" wide, 2 ¼" at sides, and 2 ¾" at center. There shall be a 1 ½" pencil opening through the left flap and a vertical uncut buttonhole in the center of the flap with a button sewn on top of the buttonhole. The flaps shall be topstitched 1/8" from edge and attached to the shirt front with a double row, ¼" gauge stitching. The underside of the flap shall have hook and pile tape, approximately 1" long by 3/8" wide, positioned on outer points of both pocket flaps.
- * Pockets:** Both pockets shall have 1 ½" centered pleats stitched to prevent spreading. Pockets shall be 5 ½" wide x 5 ¾" deep with bottom mitered corners. The left pocket shall have a pencil slot 1 ½" from center edge. Upper hem shall be ½" wide. Pockets shall be topstitched 1/16" gauge with ¾" triangle tacks at upper corners. Both pockets shall have an approximately 1" long by 3/8" wide piece of hook and pile tape positioned to correspond with the hook and pile tape on each outer scalloped flap point.

ATTACHMENT B

- I-*** **Yoke & Back:** The yoke shall be constructed of two pieces. The outside yoke shall be made of the same fabric as the outer shell of the garment and the inside yoke shall be made of the lining fabric. The yoke shall be 3 ½” at center back and 3 ¾” at armhole.
- II-*** **Yoke & Back:** The yoke shall be constructed of two pieces. The outside yoke shall be made of the same fabric as the outer shell of the garment and the inside yoke shall be made of the lining fabric. The yoke shall be 3 ½” at center back and 3 ¾” at armhole.
- I-A, B** **Long Sleeves:** Each sleeve shall have a 5” long sleeve placket with a 1” wide top placket and a ½” wide bottom placket. The sleeve placket is 5” long with top and bottom facings. A vertical buttonhole shall be sewn 2 ½” from top of cuff centered on top placket with matching button centered on bottom.
- Cuffs:** Cuffs shall be 2 ¾” in depth with rounded corners ¼” topstitching at bottom and double stitched 3/8” gauge topstitching where cuff joins sleeve. Two horizontal buttons with corresponding horizontal buttonhole shall be centered on each cuff 1 ¼” apart.
- II-A, B** **Long Sleeves:** Each sleeve shall have a 5” long sleeve placket with a 1” wide top placket and a ½” wide bottom placket. The sleeve is 5” long with top and bottom facings. A vertical buttonhole shall be sewn 2 ½” from top of cuff centered on top placket with matching button centered on bottom.
- Cuffs:** Cuffs shall be 2 ½” in depth with rounded corners ¼” topstitching at bottom and double stitched 3/8” gauge topstitching where cuff joins sleeve. Two horizontal buttons with corresponding horizontal buttonhole shall be centered on each cuff 1” apart.
- *-C,D,E** **Short Sleeves:** The sleeve shall be approximately 9” long from the shoulder seam. There shall be a ¾” hem turned to the inside with the folded edge topstitched 1/16” from the upper folded edge. The bottom edge of the sleeve closing seam shall bartacked within 1/8” of the lower edge.
- *** **Bottoms:** A ¼” rolled hem at the bottom of the garment is preferred.
- *-A,C,D** **Military Creases:** There shall be five 1/16” sharp military creases on the shirt. There shall be one crease on each front, centered vertically through pocket and flap. Spacing for military creases on shirt back shall be proportionate to the size of the shirt. For lightweight fabric (4 to 6 ounces) creases must be stitched in; for heavy fabrics (10 ounce) stitches shall be baked in.
- *** **Patch:** The organizations shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 1 ¼ to 1 ½” below the shoulder seam depending on the garment size. The patch shall be sewn with matching thread and attached so that the edges do not roll-up after washing.

ATTACHMENT B

Sizes and Measurements

I-A, B	Sizes:	<u>Neck</u>	<u>Sleeve</u>
		14	31-33
		14.5	31-34
		15	31-35
		15.5	31-36
		16	31-36
		16.5	31-36
		17	31-37
		17.5	31-37
		18	31-36
		18.5	33-37
		19	33-36
		20	33-36
		21	33-36
		22	33-36

I-C,D,E **Sizes:** S-4XL

II-A,B	Sizes:	<u>Bust Size</u>	<u>Sleeve</u> (R-Regular, L-Long—L=sleeve length + 1”)
		28	30 R
		30	30 R&L
		32	30 R&L
		34	30 R&L
		36	31 R&L
		38	31 R&L
		40	32 R&L
		42	33 R&L
		44	33 R&L
		46	33 R&L
		48	33 R&L
		50	33 R&L

II-C,D,E **Sizes:** 28-50 in even sizes only.

* **Pressing and Finishing:** Component parts shall be pressed on hot head machines; finished shirt shall be pressed and folded using jet clips or non-corrosive fasteners.

ATTACHMENT B

N466 Shoes, Male, Brown Rocky Walker

Specifications are identical for the following other component:

N473 Shoes, Female, Brown Rocky Walker

Sample Size: All dimensions are based on men's size 10-1/2 M and female's 7W.

GENERAL DESCRIPTION

The shoe shall be low quarter Rocky Lightweight Leather Walker, Style #RB2001 or equal. The color shall be midnight brown.

TYPE - *--All Shoes Type I—Male Type II—Female

CLASSIFICATION

* All Shoes

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The material shall be leather, chrome-tanned, waterproof tannage (HM weight 4 to 4-1/2 ounce, 1.60 to 1.80 mm.)
- * **Eyelets:** The three eyelets shall be brown aluminum.
- * **Lace:** The laces shall be black dress laces.
- * **Lining:** The shoe lining shall be full cambrelle in brown.
- * **Insole:** The insole shall be 4 iron Texon #480, waterproof.
- * **Support:** The support of the shoe shall be the full "Rocky" support system, which is removable and washable. It provides arch support, metatarsal support and a heel cup.
- * **Thread:** The thread used shall be polyester/nylon and bar tacked at stress points.
- * **Counter:** The counter shall be #40 thermoplastic.
- * **Box toe:** The toe shall be Styrene.
- * **Outsole:** The outsole shall be polyurethane. The outsole shall be non-marking, slip resistant, oil resistant and guaranteed against wear for one full year.
- * **Last:** The last shall be a Jones and Vining men's walker last.

ATTACHMENT B

Sizes and Measurements

Finished Dimensions:

I-* **Sizes:** Narrow: 8 -12, 13
Medium: 7-12, 13, 14
Wide: 7-12 in half sizes, 13-14
Extra Wide: 8-12 in half sizes, 13.

II-* **Sizes:** Narrow: 6-10 in half sizes
Medium: 5-10 in half sizes
Wide: 5-10 in half sizes

ATTACHMENT B

N469 Shoes, Male, Low Quarter Dress

Sample Size: All dimensions are based on size 8½ B.

GENERAL DESCRIPTION

This shoe shall be a Dexter model or equal with a single piece polyurethane sole and heel, cushioned heel cup, arch support, and metatarsal support built into a removable insole. This shoe shall be a low-quarter, five-eyelet oxford style or equal, from a three-piece pattern.

CLASSIFICATION

* All Shoes

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The materials of the shoe shall be cordovan or midnight brown smooth leather upper material and a leather quarter lining. The shoe shall have a rubber heel, permanently fused fiberglass shank and vinyl storm welt.
- * **Lace:** The laces shall be 30" nylon laces.
- * **Vamp Lining:** The shoe lining shall be a cambrelle vamp lining.
- * **Insole/Outsole:** The insole shall be a Texon insole, and the outsole shall be a hypalon rubber outsole. There shall also be a cushion bottom filler.
- * **Stitching:** The shoe shall have polyester sole-stitching.
- * **Counter:** The counter shall be a Fibre or styrene counter.
- * **Box toe:** The toe shall be a celastic box toe..

Sizes and Measurements

Finished Dimensions

- * **Sizes:** B: 9, 10 -11 in half sizes
C: 7 ½-12 in half sizes, to 13
D: 6 ½-12 in half sizes, to 13
E: 7-12 in half sizes, 13
EW: 10 ½-12 ½ in half sizes

ATTACHMENT B

N471 Shoes, Female, Low-Heel Pump

Sample Size: All dimensions are based on size 7½ M.

GENERAL DESCRIPTION

The shoe shall be a plain, pump slip-on in smooth leather, cordovan or midnight brown color, one piece folded top pump with closed heel and toe (heel height not to exceed 1-3/4 inches).

CLASSIFICATION

- * All Shoes

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The materials of the shoe shall be Lowenstein Bordeaux Samba uppers, with Mellosock quarter lining and Styrene, rubber toplift heel. This low-heel slip-on pump shall have all-leather uppers with leather quarter lining and a steel shank.
- * **Vamp Lining:** The vamp lining shall be tricot.
- * **Insole/Outsole:** The insole shall be a Mellosock, poron insole, and the outsole shall consist of Neolite, one-piece, polyurethane outsole unit. The shoe shall have Selby Comfort Flex construction with full 1/8-inch foam sock filler.
- * **Heel:** The heel shall be a 6/8 heel, Selby style 9003-704 or equal.
- * **Counter:** The counter shall be a styrene counter.
- * **Box toe:** The toe shall be a celastic box toe.

Sizes and Measurements

Finished Dimensions

- * **Sizes:** Narrow: 5-10 in half sizes
Medium: 5-10 in half sizes
Wide: 5-10 in half sizes

ATTACHMENT B

N473 Shoes, Female, Brown Rocky Walker

Specifications are identical for the following other component:

N466 Shoes, Male, Brown Rocky Walker

Sample Size: All dimensions are based on men's size 10-1/2 M and female's 7W.

GENERAL DESCRIPTION

The shoe shall be low quarter Rocky Lightweight Leather Walker, Style #RB2001 or equal. The color shall be midnight brown.

TYPE - *--All Shoes Type I—Male Type II—Female

CLASSIFICATION

* All Shoes

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The material shall be leather, chrome-tanned, waterproof tannage (HM weight 4 to 4-1/2 ounce, 1.60 to 1.80 mm.)
- * **Eyelets:** The three eyelets shall be brown aluminum.
- * **Lace:** The laces shall be black dress laces.
- * **Lining:** The shoe lining shall be full cambrelle in brown.
- * **Insole:** The insole shall be 4 iron Texon #480, waterproof.
- * **Support:** The support of the shoe shall be the full "Rocky" support system, which is removable and washable. It provides arch support, metatarsal support and a heel cup.
- * **Thread:** The thread used shall be polyester/nylon and bar tacked at stress points.
- * **Counter:** The counter shall be #40 thermoplastic.
- * **Box toe:** The toe shall be Styrene.
- * **Outsole:** The outsole shall be polyurethane. The outsole shall be non-marking, slip resistant, oil resistant and guaranteed against wear for one full year.
- * **Last:** The last shall be a Jones and Vining men's walker last.

ATTACHMENT B

Sizes and Measurements

Finished Dimensions:

I-* **Sizes:** Narrow: 8 -12, 13
Medium: 7-12, 13, 14
Wide: 7-12 in half sizes, 13-14
Extra Wide: 8-12 in half sizes, 13.

II-* **Sizes:** Narrow: 6-10 in half sizes
Medium: 5-10 in half sizes
Wide: 5-10 in half sizes

ATTACHMENT B

N478 Shoes, Female, Low Quarter Dress

Sample Size: All dimensions are based on size 7N.

GENERAL DESCRIPTION

The shoe shall be a Bates #786 low-quarter, four-eyelet oxford or equal and have a Bates #786 – cement sole construction. This shoe shall be made from a one piece pattern with attached lacestay.

CLASSIFICATION

* All Shoes

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The materials of the shoe shall be Cordovan smooth leather upper with a hi-tech Cambrelle 2 ply fused nylon lining. The shoe also shall have a cushion bottom filler and vinyl storm welt.
- * **Laces:** The shoe shall have 28" nylon laces.
- * **Insole/Outsole:** The shoe shall have an insole of Tentex, odor resisting nylon cover on soft-cushioned polyurethane and a lightweight, cool polyurethane outsole and heel.
- * **Shank:** The shank shall be steel or permanently fused fiberglass.
- * **Counter:** The counter shall be a fibre or styrene counter.
- * **Box toe:** The toe shall be a celastic box toe.
- * **Stitching:** The shoe shall have polyester sole-stitch.

Sizes and Measurements

Finished Dimensions

- * **Sizes :** Narrow: 6-10 ½ in half sizes
 Medium: 5-10 in half sizes
 Wide: 5-10 in half sizes

ATTACHMENT B

N483 Skirt, Female, Green 11 Oz. 55/45 P/W Tropical

Specifications are identical for the following other components:

C484 Skirt, Female, Green 11 Oz. 55/45 P/W Tropical

N485 Skirt, Female, Green 16 Oz. 55/45 P/W Elastique

C486 Skirt, Female, Green 16 Oz. 55/45 P/W Elastique

F492 Skirt, Female, Brown 8 Oz. 65/35 P/C Chetopa Twill

Sample Size: All dimensions are based on female's size 12

GENERAL DESCRIPTION

The skirt shall have two quarter top front pockets, back zipper closure, pleated front, and rear kick pleat. The wool skirt shall be fully lined.

TYPE *- All Skirts

CLASSIFICATION	NPS #	COE#	FWS
* All Skirts	*	*	*
A Winter Elastique	N485	C486	--
B Summer Tropical	N483	C484	--
C Chetopa Twill	--	--	F492

SALIENT CHARACTERISTICS

Components

***-A Basic Material:** The material shall be Raeford Style 646 16 oz., Elastique, 55% polyester/45% wool, Forest Green.

***-B Basic Material:** The material shall be Raeford 11 oz. Tropical, 55% polyester/45% wool, Forest Green.

***-C Basic Material:** The material shall be Post cured 8oz./sq.yd. 65% polyester/ 35% cotton, Graniteville Chetopa IV, Brown 67010-11 Soft Touch fabric.

***-A,B Linings:** The skirt shall be fully lined with hi-count satin. It shall have rear darts and front pleats like the shell fabric. The back of the lining shall have a hemmed opening to allow for movement. The lining shall be serged.

***-C Linings:** None

***-* Zipper:** Nylon coil zipper 9" long.

Detail Design Characteristics

***-* Darts:** There shall be one dart, 3-1/2 inches in length on each side of the front and on each side of each back panel.

***-* Pleats:** There shall be an open kick pleat in the center back seam, 16" below the waistband. The kick pleat shall be 2-1/4" deep, open toward the right side seam and be secured at the top with a diagonal topstitch.

ATTACHMENT B

- *-* **Waistband:** The waistband shall be 1 ¼" wide and shall have a reinforced closure: a clear 22-ligne button on the inside of the waistband and a matching 22-ligne button on the outside. The skirt shall be made with a continuous closed waistband. There shall be 2 elastic inserts behind each sideseam, which allows the waistband to stretch 2 ½". The waistband shall be set on the outside and closed by topstitching 1/16" from the lower edge of the band. The inner waistband edge shall be bound with ¼" black twill.
- *-* **Pockets:** The side pockets shall have a 6.5 inch opening, be 5-1/2 inch deep from bottom of pocket opening, be made from 260 wt. pocketing material and have self goods pocket facings. The pockets shall be sewn and stitched, turned and restitched. The pocket opening shall have straight bartacks at each end. The front edge of the pocket opening shall be topstitched 1/16".

Sizes and Measurements

Finished Dimensions

- *-* **Sizes:** Petite: 4-14 even increments
Regular: 2-30 even increments
Tall: 8-24 even increments

ATTACHMENT B

N485 Skirt, Female, Green 16 Oz. 55/45 P/W Elastique

Specifications are identical for the following other components:

N483 Skirt, Female, Green 11 Oz. 55/45 P/W Tropical

C484 Skirt, Female, Green 11 Oz. 55/45 P/W Tropical

C486 Skirt, Female, Green 16 Oz. 55/45 P/W Elastique

F492 Skirt, Female, Brown 8 Oz. 65/35 Chetopa Twill

Sample Size: All dimensions are based on female's size 12

GENERAL DESCRIPTION

The skirt shall have two quarter top front pockets, back zipper closure, pleated front, and rear kick pleat. The wool skirt shall be fully lined.

TYPE *- All Skirts

CLASSIFICATION	NPS #	COE#	FWS
* All Skirts	*	*	*
A Winter Elastique	N485	C486	--
B Summer Tropical	N483	C484	--
C Chetopa Twill	--	--	F492

SALIENT CHARACTERISTICS

Components

***-A Basic Material:** The material shall be Raeford Style 646 16 oz., Elastique, 55% polyester/45% wool, Forest Green.

***-B Basic Material:** The material shall be Raeford 11 oz. Tropical, 55% polyester/45% wool, Forest Green.

***-C Basic Material:** The material shall be Post cured 8oz./sq.yd. 65% polyester/ 35% cotton, Graniteville Chetopa IV, Brown 67010-11 Soft Touch fabric.

***-A,B Linings:** The skirt shall be fully lined with hi-count satin. It shall have rear darts and front pleats like the shell fabric. The back of the lining shall have a hemmed opening to allow for movement. The lining shall be serged.

***-C Linings:** None

***-* Zipper:** Nylon coil zipper 9" long.

Detail Design Characteristics

***-* Darts:** There shall be one dart, 3-1/2 inches in length on each side of the front and on each side of each back panel.

***-* Pleats:** There shall be an open kick pleat in the center back seam, 16" below the waistband. The kick pleat shall be 2-1/4" deep, open toward the right side seam and be secured at the top with a diagonal topstitch.

ATTACHMENT B

- *-* **Waistband:** The waistband shall be 1 ¼" wide and shall have a reinforced closure: a clear 22-ligne button on the inside of the waistband and a matching 22-ligne button on the outside. The skirt shall be made with a continuous closed waistband. There shall be 2 elastic inserts behind each sideseam, which allows the waistband to stretch 2 ½". The waistband shall be set on the outside and closed by topstitching 1/16" from the lower edge of the band. The inner waistband edge shall be bound with ¼" black twill.
- *-* **Pockets:** The side pockets shall have a 6.5 inch opening, be 5-1/2 inch deep from bottom of pocket opening, be made from 260 wt. pocketing material and have self goods pocket facings. The pockets shall be sewn and stitched, turned and restitched. The pocket opening shall have straight bartacks at each end. The front edge of the pocket opening shall be topstitched 1/16".

Sizes and Measurements

Finished Dimensions

- *-* **Sizes:** Petite: 4-14 even increments
Regular: 2-30 even increments
Tall: 8-24 even increments

ATTACHMENT B

N494 Socks, Brown, 40/40/20 PP/W/N, Mid-Calf, Boot

Specifications are identical for the following other components:

F493 Socks, Brown, 40/40/20 PP/W/N, Mid-Calf, Boot

Sample Size: All dimensions are based on a size L.

GENERAL DESCRIPTION

Fox River heavy weight “Wick-A-Way” mid-calf length boot sock or equal.

TYPE ITEMS: *-Male and *Female Type I—Male Type II—Female

CLASSIFICATION

* All Socks * *

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The material shall be 40% polypropylene, 40% worsted wool, and 20% stretch nylon. The color shall be brown and match the standard sample.
- * **Label:** Identification, size, and care care labels shall be attached to the socks with a residue-free adhesive backing.

Detail Design Characteristics

- * **Construction:** The double knit shall be a rib knit on the outside of the sock with a 5/16” terry loop knit on the inside. The rib knit shall be Wool and the terry loop knit shall be polypropylene. Stretch nylon shall be used throughout for reinforcement. Spandex shall be knitted into top 2 inches of the socks. The sock shall be one piece circular knit construction and shall close at the toe line with seam type FSf-1 using stitch type 521. In a relaxed state each sock shall be 17” long, 3 ¾” wide and ½” thick. A pair of socks shall weigh 4.00 +0.25 ounces.
- * **Lengths:** (To be provided by manufacturer)

Relaxed Lengths

Leg
Foot

Stretch Lengths

Top Cross
Leg Cross
Foot Cross

Foot Length

Sizes and Measurements

- * **Finished Dimensions**

Sizes: Unisex S, M, L, and XL

ATTACHMENT B

N500 Socks, Dark Brown, 75/25/5 A/N/S, Over-Calf, Boot

Specifications are identical for the following other components:

F499 Socks, Dark Brown, 75/25/5 A/N/S, Over-Calf, Boot

Sample Size: All dimensions are based on a size 9-11 and 11-13.

GENERAL DESCRIPTION

Thorlo medium weight, over-the-calf WDB-11 and WEB-13, acrylic-blend sock or equal.

TYPE ITEMS: *-Male and *Female Type I—Male Type II—Female

CLASSIFICATION

* **All Socks**

SALIENT CHARACTERISTICS

Components

* **Basic Material:** The material shall be 75% acrylic, 25% stretch nylon and 5% spandex. The color shall be dark brown and shall match the standard sample

* **Label:** See general reference and requirement sheet.

Detail Design Characteristics

* **Construction:** The socks shall be constructed from a fine rib knit from the toe end to the ankle and from a medium knit from the ankle within 4" of the top. The top 4" shall be a fine rib knit stretch nylon. Low density 1/8" long terry loop protective pads shall be interknitted to the bottom inside of the sock from the toe to the heel area. A medium density protective pad shall be interknitted to the heel area. The socks shall be one piece circular knit construction and shall close at the top line with seam type Fsf-1 using stitch type 521.

* **Lengths:**

Relaxed Lengths	9-11	11-13
Leg	13+/-1"	16-1/2+/-1"
Foot	9+/-1/2"	9-1/2+/-1/2"

Stretch Lengths	9- 11	11-13
Top Cross	8-1/2" min	8-1/2"min
Leg Cross	8-1/2" min	8" min.
Foot Cross	7-1/2" min.	7-1/4" min.
Foot Length	14-1/2"min.	16-1/2" min.

* **Weight:** The socks shall be minimum of 25 ounces per dozen pair for size 9- 11 and 30 ounces per dozen pair for size 11-13.

ATTACHMENT B

Sizes and Measurements

* Finished Dimensions

* **Sizes:** Unisex - M-L

N501 Socks, Dark Brown, 85/12/3 A/N /S, Mid-Calf, Dress

Specifications are identified for the following identical item:

F502 Socks, Dark Brown, 85/12/3 A/N /S, Mid-Calf, Dress

Sample Size: All dimensions are based on a size 9-11 and 11-13.

GENERAL DESCRIPTION

Thorlo medium weight, mid-calf WGX-11 and WGX-13 acrylic sock or equal.

TYPE ITEMS: *-Male and 'Female

CLASSIFICATION	NPS #	FWS #
* All Socks	N501	F502

SALIENT CHARACTERISTICS

Components

* **Basic Material:** The material shall be 85% acrylic, 12% nylon, and 3% spandex. The color shall be dark brown and shall match the standard sample.

* **Label:** See reference and requirement sheet.

Detail Design Characteristics

* **Construction:** The socks shall be constructed from a fine rib knit from the toe end to the ankle and from a medium knit from the ankle to the top of the sock. Medium density 1/8" long terry loop protective pads shall be interknitted to the bottom inside of the toe and heel areas. Low density terry loops shall be interknitted to the instep area and shall be continuous with the heel and toe pads. The socks shall be one piece circular knit construction and shall close at the toe line with seam type Fsf-1 using stitch type 521.

* Lengths:

Relaxed Lengths	9- 11	11-13
Leg	8-1/4+/-1"	11-1/2+/-1"
Foot	9+/-1/2"	9-1/2+/-1/2"

Stretch Lengths	9- 11	11-13
Top Cross	8" min.	8-1/2" min
Leg Cross	7" min.	8-1/2" min.
Foot Cross	7-1/2" min.	7-1/4" min..
Foot Length	14-1/4"min.	15-1/2" min.

* **Weight:** The socks shall be minimum of 25 ounces per dozen pair for size 9- 11 and 34 ounces per dozen pair for size 11-13.

ATTACHMENT B

Sizes and Measurements

* Finished Dimensions

* **Sizes:** Male - M-L
Female - M-L

N504 Socks, Dark Brown, 88/10/2 A/N/S, Hiking

Specifications are identical for the following other component:

F503 Socks, Dark Brown, 88/10/2 A/N/S, Hiking

Sample Size: All dimensions are based on a size 8 ½-11 and 10-13. Kx13

GENERAL DESCRIPTION

Thorlo heavy weight hiking sock models KX-9, KX-11, KX-13 and KX-15 or equal.

TYPE ITEMS: *-Male and *Female Type I—Male Type II—Female

CLASSIFICATION	FWS # (M/F)	NPS # (M/F)
* All Socks	* F503	* N504

SALIENT CHARACTERISTICS

Components

* **Basic Material:** The material shall be 88% acrylic and 10% stretch nylon, 2% spandex. The color shall be dark brown with khaki pads.

* **Label:** See general reference and requirement sheet.

Detail Design Characteristics

* **Construction:** The sock shall be a 10 gauge, 84 needle elastic top, cushioned sole construction utilizing a stretch nylon backing yarn and a medium density acrylic body yarn which is terry looped throughout the foot with the exception of flat knit ventilation panels. In addition, a heavy density 1/8" terry loop protective pad shall be interknitted to a bottom inside of the toe and heel areas, omitting the arch. This construction distinguishes a protective lace pad continuous from the toe to the ankle. The sock shall be one piece circular knit construction and shall close the toe line with an overlock seam type using 40/1 stretch nylon needle thread and 50/1 stretch nylon looper thread at 30 stitches per inch.

* Lengths:			
	Relaxed Lengths	8-1/2- 11	10-13
	Leg	10-1/2+/-1/2"	11-1/2+/-1/2"
	Foot	9+/-1/4"	9-3/4+/-1/4"
	Stretch Lengths	8-1/2- 11	10-13
	Top Cross	9-1/2+/-1/2"	9-1/2+/-1/2"
	Leg Cross	N/A	N/A
	Foot Cross	7-1/4+/-1/4"	7-1/4+/-1/4"
	Foot Length	12-1/2+/-1/2"	14+/-1/2"

ATTACHMENT B

- * **Weight:** The socks shall be minimum of 2.61 pounds per dozen pair for size 8-1/2 to 11 and 2.87 pounds per dozen pair for size 10-13.

Sizes and Measurements

- * **Finished Dimensions**

- * **Sizes:** Unisex - M-XL

ATTACHMENT B

N509 Strap, Leather, Chin

Sample Size: All dimensions based on one size.

GENERAL DESCRIPTION

Full-grain, vegetable-tanned leather chin strap

TYPE *--Male and Female

CLASSIFICATION

* All

SALIENT CHARACTERISTICS

Components

Type-Class

* **Basic Material:** The material shall be top-quality, full-grain, vegetable-tanned leather, 3/8" by 30".

General Instructions

* **Function:** Strap circles crown of hat, then runs through brim eyelets to fasten at back of head.

Detail Design Characteristics

* **Colors:** Dark Brown, Cordovan.

* **Hardware:** Top-quality, full-grain, vegetable-tanned leather, 3/8" by 30".

* **Edges:** Top-quality, full-grain, vegetable-tanned leather, 3/8" by 30".

ATTACHMENT B

N515 Sweater, Male, Black 5 Oz. Coolmax, Turtleneck

Specifications are identical for the following other components:

F514 Sweater, Male, Black 5 Oz. Coolmax, Turtleneck

F522 Sweater, Female, Black 5 Oz. Coolmax, Turtleneck

N523 Sweater, Female, Black 5 Oz. Coolmax, Turtleneck

Sample Size: All dimensions are based on Male size L and Female size M

GENERAL DESCRIPTION

The garment is a black turtleneck sweater.

TYPE ITEMS: *--Male and Female Type I—Male Type II—Female

CLASSIFICATION	FWS # (M/F)	NPS # (M/F)
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* All Sweaters	F514/F522	N515/N523
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SALIENT CHARACTERISTICS

Components

* **Basic Material:** Body and sleeve: 100% Coolmax jersey 5.0 oz. Trim: neck and cuff 1 x 1 Coolmax/ Lycra 6.5 oz. rib.

* **Labels:** See general reference and requirements sheet.

General Instructions

* **Stitching:** All seams shall be sewn serge/safety stitch with heavy overlap.

Detail Design Characteristics

* **Collar:** Interlock knit, double-ply collar that folds down to the neckline.

* **Sleeves:** Sleeve shall have a minimum of 2" at the bottom, reinforced with Lycra.

Sizes and Measurements

Finished Dimensions:

Sizes:	*I-	Male: S – XXL
	*II-	Female: S - XL

ATTACHMENT B

N523 Sweater, Female, Black 5 Oz. Coolmax, Turtleneck

Specifications are identical for the following other components:

F514 Sweater, Male, Black 5 Oz. Coolmax, Turtleneck

N515 Sweater, Male, Black 5 Oz. Coolmax, Turtleneck

F522 Sweater, Female, Black 5 Oz. Coolmax, Turtleneck

Sample Size: All dimensions are based on Male size L and Female size M

GENERAL DESCRIPTION

The garment is a black turtleneck sweater.

TYPE ITEMS: *--Male and Female Type I—Male Type II—Female

CLASSIFICATION	FWS # (M/F)	NPS # (M/F)
* All Sweaters	*	*
A	F514	
B		N515
C	F522	
D		N523

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** Body and sleeve: 100% Coolmax jersey 5.0 oz. Trim: neck and cuff 1 x 1 Coolmax/ Lycra 6.5 oz. rib.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Stitching:** All seams shall be sewn serge/safety stitch with heavy overlap.

Detail Design Characteristics

- * **Collar:** Interlock knit, double-ply collar that folds down to the neckline.
- * **Sleeves:** Sleeve shall have a minimum of 2" at the bottom, reinforced with Lycra.

Sizes and Measurements

Finished Dimensions:

Sizes: *I- Male: S – XXL
 *II- Female: S - XL

ATTACHMENT B

N531 Tie Tack

Sample Size: One size.

GENERAL DESCRIPTION

V. H. Blackinton style #A4270 design, arrowhead shape, 13/16" top to bottom and 11/16" side to side at widest point. Center to depict a giant sequoia tree, mountain, lake and bison raised from matt background with lettering "National Park Service" located in upper right portion of design.

TYPE ITEMS: *--Male and Female

CLASSIFICATION

* All Items

SALIENT CHARACTERISTICS

Components

* **Basic Material:** The material shall be a die struck, gold electroplated, 14 gauge (.064) brass.

* **Label:** See general reference and requirements sheet.

General Instructions

* **General:** Border and center motif shall have poished highlights.

Detail Design Characteristics

* **Attachment:** F145 post, clutch chain and bar - V555, 1/2".

Quality Assurance:

* Production sample shall be approved by NPS COTR.

ATTACHMENT B

N543 Tie, Unisex, Green P/W Tropical, Clip-on, Extra Long

Specifications are identical for the following other components:

F533 Tie, Unisex, Brown Polyester, Standard, Regular Length
C537 Tie, Unisex, Black P/W Tropical, Clip-on, Extra Long
C538 Tie, Unisex, Black P/W Tropical, Clip-on, Double Extra Long
C539 Tie, Unisex, Black P/W Tropical, Clip-on, Regular Length
C540 Tie, Unisex, Black P/W Tropical, Standard
F541 Tie, Unisex, Brown Polyester, Clip-on, Extra Long
F542 Tie, Unisex, Brown Polyester, Clip-on, Regular Length
N544 Tie, Unisex, Green P/W Tropical, Clip-on, Regular Length
N545 Tie, Unisex, Green P/W Tropical, Standard

C547 Tie, Unisex, Black P/W Tropical, Clip-on
C548 Tie, Female, Black P/W Tropical, Cross-over
F549 Tie, Female, Brown Polyester, Cross-over
F550 Tie, Unisex, Brown Polyester, Clip-on, Regular Length
N616 Tie, Female, Green P/W Tropical, Cross-over
N617 Tie, Unisex, Green P/W Tropical, Clip-on, Regular Length

Sample Size: See Table.

GENERAL DESCRIPTION

Standard four-in-hand ties shall be Samuel Broome style #455 or equal.
Metal clip-on ties shall be Samuel Broome style #455 or equal.
Mock continental cross-over ties shall be Samuel Broome style #455 TV or equal.

TYPE ITEMS: *--All Ties

CLASSIFICATION

See Table.

ATTACHMENT B

SALIENT CHARACTERISTICS

SPEC #	SEX	TYPE	CLASS	COLOR	LENGTH	WIDTH
F533	M/F	Reg Standard	B	Brown	56 3/4"	3 - 3 1/4"
C537	M/F	XL Clip-on	A	Black	19"	3 - 3 1/4"
C538	M/F	XXL Clip-on	A	Black	22"	3 - 3 1/4"
C539	M/F	Reg Clip-on	A	Black	17"	3 - 3 1/4"
C540	M/F	Reg Standard	A	Black	56 3/4"	3 - 3 1/4"
F541	M/F	XL Clip-on	B	Brown	19"	3 - 3 1/4"
F542	M/F	Reg Clip-on	B	Brown	17"	3 - 3 1/4"
N543	M/F	XL Clip-on	A	Green	19"	3 - 3 1/4"
N544	M/F	Reg Clip-on	A	Green	17"	3 - 3 1/4"
N545	M/F	Reg Standard	A	Green	56 3/4"	3 - 3 1/4"
C547	M/F	ShortClip-on	A	Black	14"	3 - 3 1/4"
C548	F	Cross-over	A	Black	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
F549	F	Cross-over	B	Brown	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
F550	M/F	ShortClip-on	B	Brown	14"	3 - 3 1/4"
N616	F	Cross-over	A	Green	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
N617	M/F	ShortClip-on	A	Green	14"	3 - 3 1/4"

Components

*-A **Basic Material:** The material shall be 75/25 Polyester/Wool, Tropical Weave

*-B **Basic Material:** The material shall be 100% Texturized Polyester, Plain Weave, 4 -5 oz/yd²

General Instructions

Class A and B: All ties shall finish flat and smooth without visible wrinkles, fabric flaws, stitching, or splicing.

Class B: Polyester ties shall have acrylic interlining and a soil release, low stretch finish for washability. Each tie shall have a label stating the manufacturer and contents. Each tie shall be shipped with a shape-retention cardboard insert.

Cross-over ties shall finish flat and smooth without visible wrinkles, fabric flaws, stitching or splicing.

ATTACHMENT B

N544 Tie, Unisex, Green P/W Tropical, Clip-on, Regular Length

Specifications are identical for the following other components:

F533 Tie, Unisex Polyester, Standard, Regular Length
C537 Tie, Unisex, Black P/W Tropical, Clip-on, Extra Long
C538 Tie, Unisex, Black P/W Tropical, Clip-on, Double Extra Long
C539 Tie, Unisex, Black P/W Tropical, Clip-on, Regular Length
C540 Tie, Unisex, Black P/W Tropical, Standard
F541 Tie, Unisex, Brown Polyester, Clip-on, Extra Long
F542 Tie, Unisex, Brown Polyester, Clip-on, Regular Length
N543 Tie, Unisex, Green P/W Tropical, Clip-on, Extra Long
N545 Tie, Unisex, Green P/W Tropical, Standard

C547 Tie, Unisex, Black P/W Tropical, Clip-on
C548 Tie, Female, Black P/W Tropical, Cross-over
F549 Tie, Female, Brown Polyester, Cross-over
F550 Tie, Unisex, Brown Polyester, Clip-on, Regular Length
N616 Tie, Female, Green P/W Tropical, Cross-over
N617 Tie, Unisex, Green P/W Tropical, Clip-on, Regular Length

Sample Size: See Table.

GENERAL DESCRIPTION

Standard four-in-hand ties shall be Samuel Broome style #455 or equal.
Metal clip-on ties shall be Samuel Broome style #455 or equal.
Mock continental cross-over ties shall be Samuel Broome style #455 TV or equal.

TYPE ITEMS: *--All Ties

CLASSIFICATION

See Table.

ATTACHMENT B

SALIENT CHARACTERISTICS

SPEC #	SEX	TYPE	CLASS	COLOR	LENGTH	WIDTH
F533	M/F	Reg Standard	B	Brown	56 3/4"	3 - 3 1/4"
C537	M/F	XL Clip-on	A	Black	19"	3 - 3 1/4"
C538	M/F	XXL Clip-on	A	Black	22"	3 - 3 1/4"
C539	M/F	Reg Clip-on	A	Black	17"	3 - 3 1/4"
C540	M/F	Reg Standard	A	Black	56 3/4"	3 - 3 1/4"
F541	M/F	XL Clip-on	B	Brown	19"	3 - 3 1/4"
F542	M/F	Reg Clip-on	B	Brown	17"	3 - 3 1/4"
N543	M/F	XL Clip-on	A	Green	19"	3 - 3 1/4"
N544	M/F	Reg Clip-on	A	Green	17"	3 - 3 1/4"
N545	M/F	Reg Standard	A	Green	56 3/4"	3 - 3 1/4"
C547	M/F	ShortClip-on	A	Black	14"	3 - 3 1/4"
C548	F	Cross-over	A	Black	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
F549	F	Cross-over	B	Brown	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
F550	M/F	ShortClip-on	B	Brown	14"	3 - 3 1/4"
N616	F	Cross-over	A	Green	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
N617	M/F	ShortClip-on	A	Green	14"	3 - 3 1/4"

Components

*-A **Basic Material:** The material shall be 75/25 Polyester/Wool, Tropical Weave

*-B **Basic Material:** The material shall be 100% Texturized Polyester, Plain Weave, 4 -5 oz/yd²

General Instructions

Class A and B: All ties shall finish flat and smooth without visible wrinkles, fabric flaws, stitching, or splicing.

Class B: Polyester ties shall have acrylic interlining and a soil release, low stretch finish for washability. Each tie shall have a label stating the manufacturer and contents. Each tie shall be shipped with a shape-retention cardboard insert.

Cross-over ties shall finish flat and smooth without visible wrinkles, fabric flaws, stitching or splicing.

ATTACHMENT B

N545 Tie, Unisex, Green P/W Tropical, Standard

Specifications are identical for the following other components:

F533 Tie, Unisex Polyester, Standard, Regular Length
C537 Tie, Unisex, Black P/W Tropical, Clip-on, Extra Long
C538 Tie, Unisex, Black P/W Tropical, Clip-on, Double Extra Long
C539 Tie, Unisex, Black P/W Tropical, Clip-on, Regular Length
C540 Tie, Unisex, Black P/W Tropical, Standard
F541 Tie, Unisex, Brown Polyester, Clip-on, Extra Long
F542 Tie, Unisex, Brown Polyester, Clip-on, Regular Length
N543 Tie, Unisex, Green P/W Tropical, Clip-on, Extra Long
N544 Tie, Unisex, Green P/W Tropical, Clip-on, Regular Length

C547 Tie, Unisex, Black P/W Tropical, Clip-on
C548 Tie, Female, Black P/W Tropical, Cross-over
F549 Tie, Female, Brown Polyester, Cross-over
F550 Tie, Unisex, Brown Polyester, Clip-on, Regular Length
N616 Tie, Female, Green P/W Tropical, Cross-over
N617 Tie, Unisex, Green P/W Tropical, Clip-on, Regular Length

Sample Size: See Table.

GENERAL DESCRIPTION

Standard four-in-hand ties shall be Samuel Broome style #455 or equal.
Metal clip-on ties shall be Samuel Broome style #455 or equal.
Mock continental cross-over ties shall be Samuel Broome style #455 TV or equal.

TYPE ITEMS: *--All Ties

CLASSIFICATION

See Table.

ATTACHMENT B

SALIENT CHARACTERISTICS

SPEC #	SEX	TYPE	CLASS	COLOR	LENGTH	WIDTH
F533	M/F	Reg Standard	B	Brown	56 3/4"	3 - 3 1/4"
C537	M/F	XL Clip-on	A	Black	19"	3 - 3 1/4"
C538	M/F	XXL Clip-on	A	Black	22"	3 - 3 1/4"
C539	M/F	Reg Clip-on	A	Black	17"	3 - 3 1/4"
C540	M/F	Reg Standard	A	Black	56 3/4"	3 - 3 1/4"
F541	M/F	XL Clip-on	B	Brown	19"	3 - 3 1/4"
F542	M/F	Reg Clip-on	B	Brown	17"	3 - 3 1/4"
N543	M/F	XL Clip-on	A	Green	19"	3 - 3 1/4"
N544	M/F	Reg Clip-on	A	Green	17"	3 - 3 1/4"
N545	M/F	Reg Standard	A	Green	56 3/4"	3 - 3 1/4"
C547	M/F	ShortClip-on	A	Black	14"	3 - 3 1/4"
C548	F	Cross-over	A	Black	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
F549	F	Cross-over	B	Brown	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
F550	M/F	ShortClip-on	B	Brown	14"	3 - 3 1/4"
N616	F	Cross-over	A	Green	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
N617	M/F	ShortClip-on	A	Green	14"	3 - 3 1/4"

Components

*-A **Basic Material:** The material shall be 75/25 Polyester/Wool, Tropical Weave

*-B **Basic Material:** The material shall be 100% Texturized Polyester, Plain Weave, 4 -5 oz/yd²

General Instructions

Class A and B: All ties shall finish flat and smooth without visible wrinkles, fabric flaws, stitching, or splicing.

Class B: Polyester ties shall have acrylic interlining and a soil release, low stretch finish for washability. Each tie shall have a label stating the manufacturer and contents. Each tie shall be shipped with a shape-retention cardboard insert.

Cross-over ties shall finish flat and smooth without visible wrinkles, fabric flaws, stitching or splicing.

ATTACHMENT B

N554 Trousers, Male, Green 11 Oz. 55/45 P/W Tropical

Specifications are identical for the following other components:

C555 Trousers, Male, Green 11 Oz. 55/45 P/W Tropical
N556 Trousers, Male, Green 16 Oz. 55/45 P/W Elastique
C557 Trousers, Male, Green 16 Oz. 55/45 P/W Elastique
C562 Trousers, Male, Grey, 11 Oz. P/W Tropical
C574 Trousers, Female, Green 11 Oz. 55/45 P/W Tropical
N575 Trousers, Female, Green 11 Oz. 55/45 P/W Tropical
C570 Trousers, Female, Green 16 Oz. 55/45 P/W Elastique
N576 Trousers, Female, Green 16 Oz. 55/45 P/W Elastique

Sample Size: All dimensions are based on Male size 36R and Female size 12R

GENERAL DESCRIPTION

Plain Front with a slight flare at bottom. Quarter top front pockets, two back pockets, French fly with hook and eye closure, and two back darts. There shall be two darts on the front panel of the female's trousers and no darts on the front of the male's trousers.

TYPE ITEMS: *-Male and Female Type I—Male Type II—Female

CLASSIFICATION		NPS (M/F)	COE (M/F)
*	All Trousers	*	*
A	Elastique Trousers	N556/N576	C557/C570
B	Tropical Trousers	N554/N575	C555/ C574/C562

SALIENT CHARACTERISTICS

Components

- *-A **Basic Material:** Raeford Mills 16-ounce Forest Green 55% Dacron Polyester/45% Wool Elastique fabric. OSM Color is Khaki.
- *-B **Basic Material:** Raeford Mills 11-ounce Forest Green 55% Dacron Polyester/45% Wool Tropical fabric.
- * **Linings:** The material used for pockets, waistband lining and fly lining shall be suitable quality black fabric for dress trousers.
- * **Thread:** All thread, except #8 cotton buttonhole gimp, shall be cotton covered polyester conforming to ticket numbers 50-3 ply and 70-2 ply of MIT-T-43548. The color shall match the self-material shade. Size 50-3 ply shall be used for all sewing operations except that 70-2 ply may be used for overedging operations.
- * **Button Holes:** Buttonholes shall be eyelet, square bar, gimp reinforced type.
- * **Buttons:** The buttons for hip pockets and French fly shall be flat 4-hole, 24 ligne polyester type in plain style, and in a shade similar to or slightly darker than the basic fabric. The buttons for the hip pocket shall be Melamine Potomac M3762, 4 hole, 24 ligne, Forest Green.
- * **Zipper:** A brass memory lock slider and zipper with a brass bottom stop at the base of the zipper chain shall be used.

ATTACHMENT B

- * **Labels:** See general reference and requirements sheet.

General Instructions

- I-* **Stitching:** Center back turnunder shall be no less than 2" to take care of any alterations and the seat seam shall be sewn on a double needle chain stitch (401) machine, having tandem needles with an offset of 1/32nd of an inch. The inseams and outseams, seam allowances shall be 1" wide and sewn with a single needle chain stitch (401) and pressed open inside. All other seams shall use lock stitch (301). All exposed raw edges shall be serged (503 or 504) to prevent raveling. 10-16 stitches per inch are required, except for 5 to 7 stitches per inch for blindstitching.
- II-* **Stitching:** The seat seam shall be stitched with a tandem needle seat-seaming machine. There shall be a center back seam allowance of no less than 1 5/8" to take care of alterations. 10-16 stitches per inch are required, except for 5 to 7 stitches per inch for blindstitching.
- * **Bartacks:** There shall be bartacks at all points of strain including base of fly curve, inside bottom edge of fly and all pocket openings. Front pocket openings shall be bartacked at bottom and at top beneath waistband. Each end of hip pockets shall be bartacked. Eye closure in waistband shall be bartacked. All bartacks shall be 3/8 to 1/2" in length.

Detail Design Characteristics

- II-* **Front Panel:** The trouser shall have a reinforced panel on each front. It shall be constructed of the same fabric as the pocketing. It shall extend from the waistband topstitch seam approximately 4". The back edge shall be folded and topstitched to the front edge of each front pocket bag. The front edge of each reinforced panel shall be stitched to the fly. The bottom edge of the bellyband shall be tightly serged so it shall not ravel.
- I-* **Crotch and Fly:** The zipper stay is to be cut of matching specified trim and to be the exact size as the fly and to be serged together. The French fly is to be made of the same material as the trouser. The zipper to be not less than 1/2 inch under the opening. The fly lining is to have a tail covering inseam and crotch. Crotch is to be lined front and back, four quarter, with a double thickness of matching specified trim fabric. The fly shall also have a tab and button closure at the bottom of the waistband. The tab shall be made of basic material.
- II-* **Crotch and Fly:** The right fly shall be the same fabric and color as the waistband curtain. The right fly lining shall be sewn to the left fly below the zipper. The right fly lining shall extend to within 1" of the inseams joining seam.
- II-* **Darts:** There shall be one tapering dart over each hip pocket and one on each front panel. The purpose of the darts is to contour the garment to a true female fit. The front darts shall be approximately 3" long from the waistband. The hip pocket darts shall extend from the waistband to the top of the hip pocket.

ATTACHMENT B

- I-*** **Waistband:** The waistband shall be 2" wide and shall be closed with a crush proof hook and eye, the eye being bartacked for stability. The finished waistband curtain, 2 3/8" wide, shall be attached with a rocap machine. The waistband curtain shall be made of the specified trim and shall have 3 strand Snugtex sewn into the waistband lining. Snugtex sewn on to the top of the waistband lining shall not be authorized. Trousers shall have banrol waistband stabilizer sewn into the waistband on the front of the trousers from side seam to side seam. Trousers shall be made with a continuous closed waistband using the closed corner method. The waistband shall be set on and shall be stitched below the lower edge through the outer fabric and the waistband curtain.
- II-*** **Waistband:** The waistband shall be 1 1/4" wide and shall be closed with a crushproof hook and eye, the eye being bartacked for stability. The waistband curtain shall be attached with a rocap machine. The curtain shall finish 1 1/2" wide and be interlined with a nonwoven. No banrol shall be used. The waistband shall be set on and stitched below the lower edge through the outer fabric and the waistband curtain. There shall be an elastic insert on each side of the trouser. It shall allow the trouser to expand a minimum of 1 1/2" on each side. The elastic shall be one inch wide. The elastic shall be secured on the inside of the waistband curtain on each end with a minimum 1" vertical stitch.
- I-*** **Front Pockets--** Quarter top style with a deep facing of self cloth in order that pocketing does not show. Pocketing shall be made of the specified trim fabric and to be stitched, turned and topstitched. Merrowed edges shall not be acceptable. Pocket opening shall be a minimum of 6 1/2" and pocket depth 10 1/2" to top of slant. Facing shall be a minimum of 1 1/2".
- II-*** **Front Pockets--** The front pocket opening shall be a minimum 6" and a minimum of 5 1/2" deep from the bottom of the opening. They shall be stitched, turned and restitched. The inside front pocket facing shall be a separate piece of self material finishing no less than 1 1/4" wide. The front pockets shall have straight bartacks.
- I-*** **Back Pockets--** Two single welt slash pockets with flaps inserted into top - edge. Pocket to finish a minimum of 6 1/4" deep by 5 3/4" wide. Facings shall be minimum of 1" deep of self-material in the body side. Pocketing shall be top stitched. Pocketing shall extend up to and be caught in waistband seam to prevent sagging.
- II-*** **Back Pockets--** The back pockets shall have a minimum opening of 5 1/2" wide and shall be a minimum of 6" deep on size 14 and up. On size 12 and down, the minimum opening shall be 5" wide and 6" deep. They shall be finished on the outside with an exposed top and bottom cord, with flaps inserted into the top edge. The top and bottom pocket beads shall be approximately 1/8" in width, interlined with pellon. Facings shall be minimum of 1" deep of self-material on the body side. Pocketing shall be stitched, turned and restitched. Pocketing shall extend up to and be caught in waistband seam to prevent sagging. The back pockets shall have straight bartacks.
- *** **Hip Pocket Flap:** Flap shall be constructed of basic fabric and lined with the specified trim. It shall be constructed with a concealed button hole tab so that bottom closure is concealed. No stitching shall show on the outside of the flap. The flap shall be spade style with a single point. The flap shall measure 1 1/4" on the sides 2 1/4" at the point and the width of the pocket welt.
- I-*** **Belt Loops:** There shall be 7 belt loops. Belt loops shall be lined with no stitching to show on the outside and shall be 2 1/4" high and 1" wide. All loops to be inserted into both the top and bottom waistband seams with the exception of the back center loop.
- II-*** **Belt Loops:** There shall be a minimum of 5 belt loops on waist sizes 12 and down, and a minimum of 7 on all sizes over 14. Each loop is to be 1" wide, of double thickness and blindstitched on the back. The center back loop shall be tacked on. All other loops are to be sewn into the rocap at the top and dropped and tacked below the waistband seam. The opening shall be a minimum of 2 1/4".

ATTACHMENT B

- * **Bottoms:** All bottoms shall be plain with a minimum of 1 ¾" turnunder and finished with a blind stitch felling machine. Stitched through bottoms is not acceptable.

Sizes and Measurements

Finished Dimensions

I-A	Sizes:	Short: 28-40
		Regular: 28-54
		Long: 32-48
		Xlong: 32-46
I-B	Sizes:	Petite: 2-14
		Regular: 2-30
		Tall: 4-24

ATTACHMENT B

N556 Trousers, Male, Green 16 Oz. 55/45 P/W Elastique

Specifications are identical for the following other components:

N554 Trousers, Male, Green 11 Oz. 55/45 P/W Tropical
C555 Trousers, Male, Green 11 Oz. 55/45 P/W Tropical
C557 Trousers, Male, Green 16 Oz. 55/45 P/W Elastique
C562 Trousers, Male, Grey, 11 Oz. P/W Tropical
C574 Trousers, Female, Green 11 Oz. 55/45 P/W Tropical
N575 Trousers, Female, Green 11 Oz. 55/45 P/W Tropical
C570 Trousers, Female, Green 16 Oz. 55/45 P/W Elastique
N576 Trousers, Female, Green 16 Oz. 55/45 P/W Elastique

Sample Size: All dimensions are based on Male size 36R and Female size 12R

GENERAL DESCRIPTION

Plain Front with a slight flare at bottom. Quarter top front pockets, two back pockets, French fly with hook and eye closure, and two back darts. There shall be two darts on the front panel of the female's trousers and no darts on the front of the male's trousers.

TYPE ITEMS: *-Male and Female Type I—Male Type II—Female

CLASSIFICATION		NPS (M/F)	COE (M/F)
*	All Trousers	*	*
A	Elastique Trousers	N556/N576	C557/C570
B	Tropical Trousers	N554/N575	C555/ C574/C562

SALIENT CHARACTERISTICS

Components

- *-A **Basic Material:** Raeford Mills 16-ounce Forest Green 55% Dacron Polyester/45% Wool Elastique fabric.
- *-B **Basic Material:** Raeford Mills 11-ounce Forest Green 55% Dacron Polyester/45% Wool Tropical fabric.
- * **Linings:** The material used for pockets, waistband lining and fly lining shall be suitable quality black fabric for dress trousers.
- * **Thread:** All thread, except #8 cotton buttonhole gimp, shall be cotton covered polyester conforming to ticket numbers 50-3 ply and 70-2 ply of MIT-T-43548. The color shall match the self-material shade. Size 50-3 ply shall be used for all sewing operations except that 70-2 ply may be used for overedging operations.
- * **Button Holes:** Buttonholes shall be eyelet, square bar, gimp reinforced type.
- * **Buttons:** The buttons for hip pockets and French fly shall be flat 4-hole, 24 ligne polyester type in plain style, and in a shade similar to or slightly darker than the basic fabric. The buttons for the hip pocket shall be Melamine Potomac M3762, 4 hole, 24 ligne, Forest Green.
- * **Zipper:** A brass memory lock slider and zipper with a brass bottom stop at the base of the zipper chain shall be used.

ATTACHMENT B

- * **Labels:** See general reference and requirements sheet.

General Instructions

- I-* **Stitching:** Center back turnunder shall be no less than 2" to take care of any alterations and the seat seam shall be sewn on a double needle chain stitch (401) machine, having tandem needles with an offset of 1/32nd of an inch. The inseams and outseams, seam allowances shall be 1" wide and sewn with a single needle chain stitch (401) and pressed open inside. All other seams shall use lock stitch (301). All exposed raw edges shall be serged (503 or 504) to prevent raveling. 10-16 stitches per inch are required, except for 5 to 7 stitches per inch for blindstitching.
- II-* **Stitching:** The seat seam shall be stitched with a tandem needle seat-seaming machine. There shall be a center back seam allowance of no less than 1 5/8" to take care of alterations. 10-16 stitches per inch are required, except for 5 to 7 stitches per inch for blindstitching.
- * **Bartacks:** There shall be bartacks at all points of strain including base of fly curve, inside bottom edge of fly and all pocket openings. Front pocket openings shall be bartacked at bottom and at top beneath waistband. Each end of hip pockets shall be bartacked. Eye closure in waistband shall be bartacked. All bartacks shall be 3/8 to 1/2" in length.

Detail Design Characteristics

- II-* **Front Panel:** The trouser shall have a reinforced panel on each front. It shall be constructed of the same fabric as the pocketing. It shall extend from the waistband topstitch seam approximately 4". The back edge shall be folded and topstitched to the front edge of each front pocket bag. The front edge of each reinforced panel shall be stitched to the fly. The bottom edge of the bellyband shall be tightly serged so it shall not ravel.
- I-* **Crotch and Fly:** The zipper stay is to be cut of matching specified trim and to be the exact size as the fly and to be serged together. The French fly is to be made of the same material as the trouser. The zipper to be not less than 1/2 inch under the opening. The fly lining is to have a tail covering inseam and crotch. Crotch is to be lined front and back, four quarter, with a double thickness of matching specified trim fabric. The fly shall also have a tab and button closure at the bottom of the waistband. The tab shall be made of basic material.
- II-* **Crotch and Fly:** The right fly shall be the same fabric and color as the waistband curtain. The right fly lining shall be sewn to the left fly below the zipper. The right fly lining shall extend to within 1" of the inseams joining seam.
- II-* **Darts:** There shall be one tapering dart over each hip pocket and one on each front panel. The purpose of the darts is to contour the garment to a true female fit. The front darts shall be approximately 3" long from the waistband. The hip pocket darts shall extend from the waistband to the top of the hip pocket.

ATTACHMENT B

- I-*** **Waistband:** The waistband shall be 2" wide and shall be closed with a crush proof hook and eye, the eye being bartacked for stability. The finished waistband curtain, 2 3/8" wide, shall be attached with a rocap machine. The waistband curtain shall be made of the specified trim and shall have 3 strand Snug-tex sewn into the waistband lining. Snug-tex sewn on to the top of the waistband lining shall not be authorized. Trousers shall have banrol waistband stabilizer sewn into the waistband on the front of the trousers from side seam to side seam. Trousers shall be made with a continuous closed waistband using the closed corner method. The waistband shall be set on and shall be stitched below the lower edge through the outer fabric and the waistband curtain.
- II-*** **Waistband:** The waistband shall be 1 1/4" wide and shall be closed with a crushproof hook and eye, the eye being bartacked for stability. The waistband curtain shall be attached with a rocap machine. The curtain shall finish 1 1/2" wide and be interlined with a nonwoven. No banrol shall be used. The waistband shall be set on and stitched below the lower edge through the outer fabric and the waistband curtain. There shall be an elastic insert on each side of the trouser. It shall allow the trouser to expand a minimum of 1 1/2" on each side. The elastic shall be one inch wide. The elastic shall be secured on the inside of the waistband curtain on each end with a minimum 1" vertical stitch.
- I-*** **Front Pockets--** Quarter top style with a deep facing of self cloth in order that pocketing does not show. Pocketing shall be made of the specified trim fabric and to be stitched, turned and topstitched. Merrowed edges shall not be acceptable. Pocket opening shall be a minimum of 6 1/2" and pocket depth 10 1/2" to top of slant. Facing shall be a minimum of 1 1/2".
- II-*** **Front Pockets--** The front pocket opening shall be a minimum 6" and a minimum of 5 1/2" deep from the bottom of the opening. They shall be stitched, turned and restitched. The inside front pocket facing shall be a separate piece of self material finishing no less than 1 1/4" wide. The front pockets shall have straight bartacks.
- I-*** **Back Pockets--** Two single welt slash pockets with flaps inserted into top - edge. Pocket to finish a minimum of 6 1/4" deep by 5 3/4" wide. Facings shall be minimum of 1" deep of self-material in the body side. Pocketing shall be top stitched. Pocketing shall extend up to and be caught in waistband seam to prevent sagging.
- II-*** **Back Pockets--** The back pockets shall have a minimum opening of 5 1/2" wide and shall be a minimum of 6" deep on size 14 and up. On size 12 and down, the minimum opening shall be 5" wide and 6" deep. They shall be finished on the outside with an exposed top and bottom cord, with flaps inserted into the top edge. The top and bottom pocket beads shall be approximately 1/8" in width, interlined with pella. Facings shall be minimum of 1" deep of self-material on the body side. Pocketing shall be stitched, turned and restitched. Pocketing shall extend up to and be caught in waistband seam to prevent sagging. The back pockets shall have straight bartacks.
- *** **Hip Pocket Flap:** Flap shall be constructed of basic fabric and lined with the specified trim. It shall be constructed with a concealed button hole tab so that bottom closure is concealed. No stitching shall show on the outside of the flap. The flap shall be spade style with a single point. The flap shall measure 1 1/4" on the sides 2 1/4" at the point and the width of the pocket welt.
- I-*** **Belt Loops:** There shall be 7 belt loops. Belt loops shall be lined with no stitching to show on the outside and shall be 2 1/4" high and 1" wide. All loops to be inserted into both the top and bottom waistband seams with the exception of the back center loop.
- II-*** **Belt Loops:** There shall be a minimum of 5 belt loops on waist sizes 12 and down, and a minimum of 7 on all sizes over 14. Each loop is to be 1" wide, of double thickness and blindstitched on the back. The center back loop shall be tacked on. All other loops are to be sewn into the rocap at the top and dropped and tacked below the waistband seam. The opening shall be a minimum of 2 1/4".

ATTACHMENT B

- * **Bottoms:** All bottoms shall be plain with a minimum of 1 ¾" turnunder and finished with a blind stitch felling machine. Stitched through bottoms is not acceptable.

Sizes and Measurements

Finished Dimensions

I-A	Sizes:	Short: 28-40
		Regular: 28-54
		Long: 32-48
		Xlong: 32-46
I-B	Sizes:	Petite: 2-14
		Regular: 2-30
		Tall: 4-24

ATTACHMENT B

N559 Trousers, Male, Green 8 Oz. 65/35 P/C Chetopa IV Twill

Specifications are identical for the following other components:

C558 Trousers, Male, Green 8 Oz. 65/35 P/C Chetopa IV Twill

C571 Trousers, Female, Green 8 Oz. 65/35 P/C Chetopa IV Twill

N577 Trousers, Female, Green 8 Oz. 65/35 P/C Chetopa IV Twill

Sample Size: All dimensions are based on sizes, C558 and N559, C571 and N577.

GENERAL DESCRIPTION

Trousers shall have a plain front, quarter top front pockets, 2 back pockets, zipper fly, hook and eye closures, and two back darts. The female version has four darts and an elastic waistband for ease of fit.

TYPE ITEMS: *-Male and Female Type I—Male Type II—Female

CLASSIFICATION COE # (M/F) NPS # (M/F)

*	All Trousers	*	*
	C558/C571		N559/N577

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The material shall be Graniteville Chetopa IV twill, 65% / 35% cotton, 8 oz. per square yard, Forest Green or equal.
- * **Linings:** The lining used for pockets, waistband lining, and fly lining shall be 65% Polyester/35% Cotton or equal. Color shall be black or other dark shade that does not show through.
- * **Thread:** The thread for all sewing operations shall be cotton covered polyester, or 100% spun polyester, dyed to match shade of self material, conforming to ticket number 50-2 or 3 tex and 70-2 or 3 tex. All lockstitch (301) shall use 50 tex, for the looper, (401) shall use 50 tex for the needle and 70 or 50 tex for the looper, overedging (503 and 504) shall use 70 tex, and safety stitching (515 and 516) shall use 50 tex for the needle thread and 70 tex for other threads.
- I-* **Fly and Crotch:** Left fly to extend minimum of 3/8 inch beyond slide fastener tape to keep it concealed. Fly shall be bartacked at bottom of fly curve. Right fly lining to extend down to junction of side and seat seams. Right and left flies and zipper tape shall be bartacked together inside at bottom left corner.
- II-* **Fly and Crotch:** The right fly shall be the same fabric and color as the waistband curtain. The right fly lining shall be sewn to the left fly below the zipper. The right fly lining shall extend to within 1" of the inseams joining seam.
- * **Buttons:** The left back pocket button shall be: Melamine Potomac M3762, 4 hole, 22 ligne, Forest Green.
- I-* **Zippers:** A non-corrosive, heavy weight brass zipper with slide fastener or equal shall be used. It shall have an automatic cam lock. Tape shall be a polyester/cotton blend, color to match self-material. Slide fastener to be sewn to each fly with a minimum of 2 rows of lockstitch.

ATTACHMENT B

II-* **Zippers:** The trousers shall be closed with a brass memory lock slider and zipper and have a brass bottom stop at the base of the zipper chain. A straight bartack shall be sewn through from the outside of the garment to the inside of the bottom of the fly. It shall be sewn through the zipper tape, the right and left fly and the right fly lining. The right and left fly shall be joined by an additional bartack located below the zipper stop on the inside of the trouser.

***** **Labels:** See general reference and requirements sheet.

General Instructions

I-* **Stitching:** Waistband, fly, facing and slide fastener stitching shall be lockstitch (301). Seat seams shall be stitched with two rows of tandem needle chains (401) stitching. Inseams and outseams shall be chain stitched (401) and seams pressed open. Bottom hem shall be turned inside 1-3/8 inches and blind stitched. Minimum stitches per inch shall be 8 except blind stitching which shall be a minimum of 5. All exposed inside seams shall be serged.

II-* **Stitching:** The entire trouser is to be seamed with polyester core or 100% polyester spun thread. The seat seam shall be stitched with a tandem needle seat seaming machine. There shall be a center back seam allowance of no less than 2 1/2" to take care of alterations.

***** **Fit:** Trousers shall be full waisted and moderately trim fitting in seat, thigh and knee.

Detail Design Characteristics

I-* **Waistband:** The waistband shall be 2 inches wide and shall be closed with a crush proof hook and eye, the eye being bartacked for stability. This finished waistband curtain, 2-1/2 inches wide, shall be attached with a rocap machine. Trousers shall have banrol waistband stabilizer sewn into the waistband on the front of the trousers from side seam to side seam. Trousers shall be made with a continuous closed waistband using the closed corner method. The waistband shall be set on and shall be stitched below the lower edge through the outer fabric and the waistband curtain.

II-* **Waistband:** The waistband shall be 1 1/4" wide and shall be closed with a crushproof hook and eye, the eye being bartacked for stability. The waistband curtain shall be attached with a rocap machine. The curtain shall finish 1 1/2" wide and be interlined with a nonwoven. The waistband shall be set on and stitched below the lower edge through the outer fabric and the waistband curtain. There shall be an elastic insert on each side of the trouser. It shall allow the trouser to expand a minimum of 1 1/2" on each side. The elastic shall be one inch wide. The elastic shall be secured on the inside of the waistband curtain on each end with a minimum 1" vertical stitch.

II-* **Front Panel:** The trouser shall have a reinforced panel on each front. It shall be constructed of the same fabric as the pocketing. It shall extend from the waistband topstitch seam approximately 4 inches. The back edge shall be folded and topstitched to the front edge of each front pocket bag. The front edge of each reinforced panel shall be stitched to the fly. The bottom edge of the bellyband shall be tightly serged so it shall not ravel.

I-* **Darts:** One dart shall extend from each hip pocket to the waistband seam.

II-* **Darts:** There shall be one tapering dart over each hip pocket and one on each front panel. The purpose of the darts is to contour the garment to a true female fit. The front darts shall be approximately 3 inches long from the waistband. The hip pocket darts shall extend from the waistband to the top of the hip pocket.

ATTACHMENT B

- I-*** **Front Pockets:** The front pockets shall be quarter top type having a minimum opening of 6" and shall be 6" deep from bottom of opening. Facing shall be minimum of 1 5/8". The front pockets shall be stitched, turned and restitched. Ends of pocket opening shall be bartacked.
- II-*** **Front Pockets:** The front pocket opening shall be a minimum 6" and a minimum of 5 1/2" deep from the bottom of the opening. They shall be stitched, turned and restitched. The inside front pocket facing shall be a separate piece of self-material finishing no less than 1 1/4" wide.
- I-*** **Back Pockets:** Reece double welt slash style, 5-1/2 inches at opening, 6 inches deep. Ends of opening shall be bartacked. Facing shall be a minimum of 1 inch deep of self-material on the body side. Pockets to be constructed of lining fabric and shall continue into waistband seam to prevent sagging. Left pocket to have tab and button closure. Pockets shall be folded and top stitched.
- II-*** **Back Pockets:** The back pockets shall have a minimum opening of 5 1/2" wide and shall be 6" deep on size 14 and up. On size 12 and down, the minimum opening shall be 5" wide and 6" deep. They shall be made with an automatic PW machine finished on the outside with an exposed top and bottom cord. The top and bottom pocket beads shall be approximately 1/8" in width and interlined. The left pocket shall have a tab to button. The front and back pockets shall have straight bartacks.
- I-*** **Belt Loops:** Seven belt loops to be caught in upper and lower waistband seams except back center loop which shall be bartacked. Belt loops to be 3/4" wide and must accommodate a 2" belt.
- II-*** **Belt Loops:** There shall be a minimum of 5 belt loops on waist sizes 12 and down, and a minimum of 7 on all sizes over 14. Each loop is to be 3/4" wide and shall accommodate a 2" belt.
- *** **Bottoms:** Bottoms shall be hemmed with a blindstitch and have a minimum of 1 3/4" turned up.

Sizes and Measurements

Finished Dimensions

- *** **Sizes:** Male: Short: 28-40
 Regular: 28-56
 Long: 31-56
 X Long: 30-46
- Female Petite: 4-16
 Regular: 2-30
 Tall: 6-28

ATTACHMENT B

N561 Trousers, Male, Green Gore-Tex, Lined Rain/Wind

Specifications are identical for the following other components:

F553 Trousers, Male, Brown Gore-Tex, Lined Rain/Wind
C560 Trousers, Male, Green Gore-Tex, Lined Rain/Wind
F573 Trousers, Female, Brown Gore-tex, Lined Rain/Wind
C578 Trousers, Female, Green Gore-tex, Lined Rain/Wind
N579 Trousers, Female, Green Gore-tex, Lined Rain/Wind

Sample Size: All dimensions are based on sizes F553, C560, N561, C578, N579 - Large, F573 - Medium

GENERAL DESCRIPTION

Fully lined Gore-Tex pants or equal featuring full length side zippers with inside weather flaps with elastic waist band and hook and pile tape side waistband closures.

TYPE ITEMS: *-Male and Female Type I—Male Type II—Female

CLASSIFICATION		COE (M/F)	NPS (M/F)
*	All Trousers	*	*
A	Green	C560/C578	N561/N579 FWS (M/F)
B	Brown		F553/F573

SALIENT CHARACTERISTICS

Components

- *-A **Basic Material:** The material shall be taslan nylon bonded to Gore-Tex film, Forest Green.
- *-B **Basic Material:** The material shall be taslan nylon bonded to Gore-Tex film, dark brown.
- * **Thread:** All thread shall be minimum size 60/36.
- * **Seams:** The crotch and inseams shall be full felled (seam type LS c-2) ¼" gauge. All stitching shall be stitch type 301. All closing seams shall be hot air heat sealed with Gore-Tex sealing tape on the inside of the pants. Sealed seams and stitching shall show no leakage.
- * **Zippers:** The side zippers shall be plastic scoop type, size 5 or equal. The zippers shall have two single pull, long tab sliders mouth-to-mouth. The tapes shall be 5/8" wide.
- * **Labels:** See general reference and requirements sheet.

Detail Design Characteristics

- * **Lining:** The pants shall be fully lined.

ATTACHMENT B

I-A **Waistband:** The front and back waistbands and waistband linings shall be 2" wide. A 1 ¾" wide elastic band shall be sewn between the waistband and lining, extending to the waistband tabs on the front, and between the inner edges of the pile tape. The band shall be sewn down with one center row of stitching and stitched to the bottom of the waistband.

The front waistband shall be 15 ½" long relaxed. A 1 ½" wide by 2" long piece of hook tape shall be sewn to the inside of each waistband tab centered with one end of the tape ¼" from the end of the waistband top.

The back waistband shall be 15 ½" long relaxed. A 1 ½" wide by 2" long piece of loop tape shall be sewn to the outside of each waistband end, centered with the end of the tape ¼" from the end of the waistband.

The waistband shall have four snapped belt loops equally spaced for a duty belt.

I-B **Waistband:** The front and back waistbands and waistband linings shall be 2" wide and interlined with a compatible non-woven material. The front waistband shall be 25" long and edge stitched 1/8" gauge. The waistband and lining shall be basic material, one-piece construction. A 1 ½" wide by 4" long piece of pile tape shall be sewn to the inside of each waistband end, centered with the one end of the tape even with the end of the waistband.

The back waistband shall be 21" long and edge stitched 1/8" gauge. A 1 ½" wide by 3" long piece of hook tape shall be sewn to the outside of each waistband end, centered with the end of the tape ¼" from the end of the waistband. A 1 ¾" wide elastic band shall be sewn between the waistband and lining and shall extend between the inner edges of the hook tape and be sewn down and shirred with 3 rows of stitching, ½" gauge.

II-A **Waistband:** The front and back waistbands and waistband linings shall be 2" wide. A 1 ½" wide elastic band shall be sewn between the waistband and lining, extending to the waistband tabs on the front, and between the inner edges of the pile tape. The band shall be sewn down with one center row of stitching and stitched to the bottom of the waistband.

The front waistband shall be 12 ¼" long relaxed. A 1 ½" wide by 2" long piece of hook tape shall be sewn to the inside of each waistband tab centered with one end of the tape ¼" from the end of the waistband top.

The back waistband shall be 15 ½" long relaxed. A 1 ½" wide by 2" long piece of loop tape shall be sewn to the outside of each waistband end, centered with the end of the tape ¼" from the end of the waistband.

The waistband shall have four snapped belt loops equally spaced for a duty belt.

II-B **Waistband:** The front and back waistbands and waistband linings shall be 2" wide and interlined with a compatible non-woven material. The front waistband shall be 20 ½" long and edge stitched 1/8" gauge. The waistband and lining shall be basic material, one-piece construction. A 1 ½" wide by 4" long piece of pile tape shall be sewn to the inside of each waistband end, centered with the one end of the tape even with the end of the waistband.

The back waistband shall be 18" long and edge stitched 1/8" gauge. A 1 ½" wide by 3" long piece of hook tape shall be sewn to the outside of each waistband end, centered with the end of the tape ¼" from the end of the waistband. A 1 ¾" wide elastic band shall be sewn between the waistband and lining and shall extend between the inner edges of the hook tape and be sewn down and shirred with 3 rows of stitching, ½" gauge.

ATTACHMENT B

- I-A Outseam Opening:** Each outseam shall close with a full length zipper. The zipper shall start at the bottom of the waistband and end less than 1" from the pant bottom edge. A full length under flap and lining constructed of basic material shall be 1 ½" wide and caught with the zipper tape between the rear panel and the lining panel. A 2" long basic material tab shall be 1 ½" wide on the outside edge and 2 ½" wide where it is attached with the zipper tape between the front panel and lining panel. A 24 ligne female snap shall be attached in the bottom outside corner ½" from each edge. A male snap shall be attached on the back panel ¾" from the outseam and ½" from the bottom edge of the pants. The outseam shall be 43 ¼" long between the waistband top and the bottom edge of the pant leg along the zipper.
- I-B Outseam Opening:** Each outseam shall close with a full length zipper. The zipper shall start at the bottom of the waistband and end less than 1" from the pant bottom edge. A full length under flap and lining constructed of basic material shall be 1 ½" wide and caught with the zipper tape between the rear panel and the lining panel. A 2" long basic material tab shall be 1 ½" wide on the outside edge and 2 ½" wide where it is attached with the zipper tape between the front panel and lining panel. A 24 ligne female snap shall be attached in the bottom outside corner ½" from each edge. A male snap shall be attached on the back panel ¾" from the outseam and ½" from the bottom edge of the pants. The outseam shall be 44" long between the waistband top and the bottom edge of the pant leg along the zipper.
- II-A Outseam Opening:** Each outseam shall close with a full length zipper. The zipper shall start at the bottom of the waistband and end less than 1" from the pant bottom edge. A full length under flap and lining constructed of basic material shall be 1 ½" wide and caught with the zipper tape between the rear panel and the lining panel. A 2" long basic material tab shall be 1 ½" wide on the outside edge and 2 ½" wide where it is attached with the zipper tape between the front panel and lining panel. A 24 ligne female snap shall be attached in the bottom outside corner ½" from each edge. A male snap shall be attached on the back panel ¾" from the outseam and ½" from the bottom edge of the pants. The outseam shall be 42" long between the waistband top and the bottom edge of the pant leg along the zipper.
- II-B Outseam Opening:** Each outseam shall close with a full length zipper. The zipper shall start at the bottom of the waistband and end less than 1" from the pant bottom edge. A full length under flap and lining constructed of basic material shall be 1 ½" wide and caught with the zipper tape between the rear panel and the lining panel. A 2" long basic material tab shall be 1 ½" wide on the outside edge and 2 ½" wide where it is attached with the zipper tape between the front panel and lining panel. A 24 ligne female snap shall be attached in the bottom outside corner ½" from each edge. A male snap shall be attached on the back panel ¾" from the outseam and ½" from the bottom edge of the pants. The outseam shall be 42" long between the waistband top and the bottom edge of the pant leg along the zipper.
- I-* Reinforcement Patch:** The patch shall reinforce the seat area and shall be constructed from reinforcement fabric. The sides shall end 1 ½" from inside edges of weather flaps and shall extend down 21 ½". The top edge shall be caught in the waistband seam and sides shall be folded under and topstitched 1/8" gauge to the weather flaps. The bottom edge of the patch shall be joined to the lining with seam allowances not showing. The urethane coating shall face to the outside of the pants.
- II-A Reinforcement Patch:** The patch shall reinforce the seat area and shall be constructed from reinforcement fabric. The sides shall end 1 ½" from inside edges of weather flaps and shall extend down 19 ¼". The top edge shall be caught in the waistband seam and sides shall be folded under and topstitched 1/8" gauge to the weather flaps. The bottom edge of the patch shall be joined to the lining with seam allowances not showing. The urethane coating shall face to the outside of the pants.

ATTACHMENT B

II-B Reinforcement Patch: The patch shall reinforce the seat area and shall be constructed from reinforcement fabric. The sides shall end 1 ½” from inside edges of weather flaps and shall extend down 19 ½”. The top edge shall be caught in the waistband seam and sides shall be folded under and topstitched 1/8” gauge to the weather flaps. The bottom edge of the patch shall be joined to the lining with seam allowances not showing. The urethane coating shall face to the outside of the pants.

Sizes and Measurements

* **Finished Dimensions**

* **Sizes:** Male - Regular: S-XXL
Male - Long: M-XXL
Female - S-XL

ATTACHMENT B

N563 Trousers, Male, Forest Green 12 Oz. Cotton Duck, Brush

Specifications are identical for the following other component:

N581 Trousers, Female, Forest Green 12 Oz. Cotton Duck, Brush

Sample Size: All dimensions are based on Male size 36, and Female size 12.

GENERAL DESCRIPTION

TYPE ITEMS: *-Male and Female Type I—Male Type II—Female

CLASSIFICATION NPS (M/F)

* All Trousers *
 N563
 N581

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The material shall be Graniteville style Scrooge McDuck, 12 ounce, 100% cotton, vat-dyed duck with an impregnole, water repellent finish. Preference is for Color 47770-10 Forest Green, pre-washed and colorfast treated material.
- * **Zipper:** Front zipper shall be a number 4 brass pant zipper.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Stitching:** The side seam and seat seam are of safety stitch construction with two-needle ¼" topstitching. The inseam shall be safety stitch construction.

Detail Design Characteristics

- I-* **Front Pant:** Two piece front with quarter top, bag type pocket. Each front has a patch on overlay of self-fabric forming the leg facing. The leg facing extends from the bottom hem up to 1 1/4" of the crotch seam. The hem top of facing shall be set with a two-needle, ¼" stitch. The facing shall be sewn in the side seam and inseam.
- II-* **Front Pant:** Two piece front with quarter top, bag type pocket. Each front has a patch on overlay of self fabric forming the leg facing. The leg facing extends from the bottom hem up to 1-1/4 inch of the crotch seam. The hem top of facing shall be set with a two-needle, 1/4 inch stitch. The facing shall be sewn in the side seam and inseam.
- * **Front Fly:** Two piece jean type fly. Left fly shall be interlined with non-woven and serged inside edge. Right fly shall be folded like a jean with fly and zipper set into body seam, which is serged. 1/16" topstitching on body at zipper. Bottom of fly shall be bartacked and two-needle felled from fly to crotch seam. Fly "J" stitch is approximately 1" below the bartack. The fly stitch on the shell shall be 1 1/4" wide. A two-needle ¼" stitch shall form the down fly and "J" stitch. A bartack shall be placed in the "J" stitch approximately 1 ¾" from the bottom of the fly.

ATTACHMENT B

- I-*** **Waistband:** Folded, one piece, two-needle band. The band shall be folder set with one row of stitching at top and bottom of band, 1/8" from edge. One 30 ligne button closure at band end. Buttonhole on left end of band with button placed over zipper on right side.
- II-*** **Waistband:** Folded, one piece, two-needle band. The band shall be folder set with one row of stitching at top and bottom of band, 1/8" from edge. One 30 ligne button closure at band end. Buttonhole on left end of band with button placed over zipper on right side. The waistband is to finish 1 5/8" in width.
- I-*** **Front Pockets:** Quarter top bagged pocket. Pocket opening shall be approximately 1 3/4" from side seam. Front pocket hem shall be a rolled two-needle clean finishing hem. A self-material pocket facing shall be placed on the pocket bag with a single-needle construction. Inside pocket fabric extends into waistband. The bag shall be approximately 12 1/2" long and 7 inch wide. The pocket opening shall be 6 1/2" wide. Opening shall be bartacked at bottom and top.
- II-*** **Front Pockets:** Quarter top bagged pocket. Pocket opening shall be approximately 1 3/4" from side seam. Front pocket hem shall be a rolled two-needle clean finishing hem. A self material pocket facing shall be placed on the pocket bag with a single-needle construction. Inside pocket fabric extends into waistband. The bag shall be approximately 11 3/4" long and 6 3/4 wide. The pocket opening shall be bartacked at bottom and top of the opening.
- I-*** **Hip Pockets:** Spade type, patch on pocket set with 1/4", two-needle stitch. Pocket shall be approximately 6 1/2" wide and 6 3/4" deep at point. Pocket hem shall be two-needle rolled, clean-finished 1/4" stitch.
- II-*** **Hip Pockets:** Spade type, patch on pocket set with 1/4", two-needle stitch. Pocket shall be approximately 5 3/4" wide and 6 1/4" deep at point. Pocket hem shall be two needle rolled, clean-finished hem with two needle stitching.
- I-*** **Hip Flap:** Two piece rectangular flap made up with 1/4", two-needle stitching. Flap shall be set to body with 1/4", two-needle stitching and bartacked at each end. Flap shall be approximately 6 3/4" long and 2 1/2" wide. Flap has a buttonhole centered to match the 30-ligne button tacked to the pocket. Flap shall be interlined with non-woven fabric.
- II-*** **Hip Flap:** Two piece rectangular flap made up with 1/4", two-needle stitching. Flap shall be set to body with 1/4", two-needle stitching and bartacked at each end. Flap shall be approximately 6 inches long and 1 3/4" wide. Flap has a button hole centered to match the 30 ligne button tacked to the pocket. Flap shall be interlined with non-woven fabric.
- *** **Belt Loops:** Seven belt loops shall be 1/2" wide finished and shall accommodate 2" belts.
- *** **Bottoms:** The bottom hem shall be a rolled clean finished hem with a single-needle 3/4" stitch. Front and back leg facings extend into bottom hem.

Sizes and Measurements

Finished Dimensions:

I-A	Sizes:	Length: 30"	Size:	30-46
		32"		30-46
		34"		30-46
		36"		32-38
I-B	Sizes:	Length: 28"	Size:	8-20
		30"		8-20
		32"		8-20
		34"		8-16

ATTACHMENT B

N565 Trousers, Maternity, Green 11 Oz. 55/45 P/W, Tropical

Specifications are identical for the following other components:

C564 Trousers, Maternity, Green 11 Oz. 55/45 P/W, Tropical

GENERAL DESCRIPTION

Basic one-piece front with two front quarter-top style pockets and an adjustable buttoned waistband which shall expand for fit and comfort.

TYPE ITEMS: *- Female

CLASSIFICATION

* All Trousers

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The material shall be Raeford Forest Green 55% Polyester/45% Wool, 11-ounce Tropical.
- * **Pockets:** The front pocket openings shall be a minimum of 6" and shall be 7" deep from the bottom of the opening. The pockets shall be safety stitched around the outer edge and the inner opening edges shall be bound. The inside front pocket facing shall be a separate piece of self-material finishing no less than 1 1/4" wide. The front pockets shall have straight bar tacks.
- * **Waistband:** The fold-over waistband shall finish 1 1/4" wide and be elasticized both front and back. The front waistband shall have a buttonhole on each end that matches to either of two buttons placed on the waistband above each pocket bag. The two buttons shall allow an additional 6" adjustment in waist size.
- * **Seaming:** The entire trouser shall be seamed with polyester core thread.

Sizes and Measurements

Finished Dimensions

- * **Sizes:** XS-XL (Regular)

ATTACHMENT B

N575 Trousers, Female, Green 11 Oz. 55/45 P/W Tropical

Specifications are identical for the following other components:

N554 Trousers, Male, Green 11 Oz. 55/45 P/W Tropical
C555 Trousers, Male, Green 11 Oz. 55/45 P/W Tropical
N556 Trousers, Male, Green 16 Oz. 55/45 P/W Elastique
C557 Trousers, Male, Green 16 Oz. 55/45 P/W Elastique
C562 Trousers, Male, Grey, 11 Oz. P/W Tropical
C574 Trousers, Female, Green 11 Oz. 55/45 P/W Tropical
C570 Trousers, Female, Green 16 Oz. 55/45 P/W Elastique
N576 Trousers, Female, Green 16 Oz. 55/45 P/W Elastique

Sample Size: All dimensions are based on Male size 36R and Female size 12R

GENERAL DESCRIPTION

Plain Front with a slight flare at bottom. Quarter top front pockets, two back pockets, French fly with hook and eye closure, and two back darts. There shall be two darts on the front panel of the female's trousers and no darts on the front of the male's trousers.

TYPE ITEMS: *-Male and Female Type I—Male Type II—Female

CLASSIFICATION		NPS (M/F)	COE (M/F)
*	All Trousers	*	*
A	Elastique Trousers	N556/N576	C557/C570
B	Tropical Trousers	N554/N575	C555/ C574/C562

SALIENT CHARACTERISTICS

Components

- *-A **Basic Material:** Raeford Mills 16-ounce Forest Green 55% Dacron Polyester/45% Wool Elastique fabric.
- *-B **Basic Material:** Raeford Mills 11-ounce Forest Green 55% Dacron Polyester/45% Wool Tropical fabric.
- * **Linings:** The material used for pockets, waistband lining and fly lining shall be suitable quality black fabric for dress trousers.
- * **Thread:** All thread, except #8 cotton buttonhole gimp, shall be cotton covered polyester conforming to ticket numbers 50-3 ply and 70-2 ply of MIT-T-43548. The color shall match the self-material shade. Size 50-3 ply shall be used for all sewing operations except that 70-2 ply may be used for overedging operations.
- * **Button Holes:** Buttonholes shall be eyelet, square bar, gimp reinforced type.
- * **Buttons:** The buttons for hip pockets and French fly shall be flat 4-hole, 24 ligne polyester type in plain style, and in a shade similar to or slightly darker than the basic fabric. The buttons for the hip pocket shall be Melamine Potomac M3762, 4 hole, 24 ligne, Forest Green.
- * **Zipper:** A brass memory lock slider and zipper with a brass bottom stop at the base of the zipper chain shall be used.

ATTACHMENT B

- * **Labels:** See general reference and requirements sheet.

General Instructions

- I-* **Stitching:** Center back turnunder shall be no less than 2" to take care of any alterations and the seat seam shall be sewn on a double needle chain stitch (401) machine, having tandem needles with an offset of 1/32nd of an inch. The inseams and outseams, seam allowances shall be 1" wide and sewn with a single needle chain stitch (401) and pressed open inside. All other seams shall use lock stitch (301). All exposed raw edges shall be serged (503 or 504) to prevent raveling. 10-16 stitches per inch are required, except for 5 to 7 stitches per inch for blindstitching.
- II-* **Stitching:** The seat seam shall be stitched with a tandem needle seat-seaming machine. There shall be a center back seam allowance of no less than 1 5/8" to take care of alterations. 10-16 stitches per inch are required, except for 5 to 7 stitches per inch for blindstitching.
- * **Bartacks:** There shall be bartacks at all points of strain including base of fly curve, inside bottom edge of fly and all pocket openings. Front pocket openings shall be bartacked at bottom and at top beneath waistband. Each end of hip pockets shall be bartacked. Eye closure in waistband shall be bartacked. All bartacks shall be 3/8 to 1/2" in length.

Detail Design Characteristics

- II-* **Front Panel:** The trouser shall have a reinforced panel on each front. It shall be constructed of the same fabric as the pocketing. It shall extend from the waistband topstitch seam approximately 4". The back edge shall be folded and topstitched to the front edge of each front pocket bag. The front edge of each reinforced panel shall be stitched to the fly. The bottom edge of the bellyband shall be tightly serged so it shall not ravel.
- I-* **Crotch and Fly:** The zipper stay is to be cut of matching specified trim and to be the exact size as the fly and to be serged together. The French fly is to be made of the same material as the trouser. The zipper to be not less than 1/2 inch under the opening. The fly lining is to have a tail covering inseam and crotch. Crotch is to be lined front and back, four quarter, with a double thickness of matching specified trim fabric. The fly shall also have a tab and button closure at the bottom of the waistband. The tab shall be made of basic material.
- II-* **Crotch and Fly:** The right fly shall be the same fabric and color as the waistband curtain. The right fly lining shall be sewn to the left fly below the zipper. The right fly lining shall extend to within 1" of the inseams joining seam.
- II-* **Darts:** There shall be one tapering dart over each hip pocket and one on each front panel. The purpose of the darts is to contour the garment to a true female fit. The front darts shall be approximately 3" long from the waistband. The hip pocket darts shall extend from the waistband to the top of the hip pocket.

ATTACHMENT B

- I-*** **Waistband:** The waistband shall be 2" wide and shall be closed with a crush proof hook and eye, the eye being bartacked for stability. The finished waistband curtain, 2 3/8" wide, shall be attached with a rocap machine. The waistband curtain shall be made of the specified trim and shall have 3 strand Snug-tex sewn into the waistband lining. Snug-tex sewn on to the top of the waistband lining shall not be authorized. Trousers shall have banrol waistband stabilizer sewn into the waistband on the front of the trousers from side seam to side seam. Trousers shall be made with a continuous closed waistband using the closed corner method. The waistband shall be set on and shall be stitched below the lower edge through the outer fabric and the waistband curtain.
- II-*** **Waistband:** The waistband shall be 1 1/4" wide and shall be closed with a crushproof hook and eye, the eye being bartacked for stability. The waistband curtain shall be attached with a rocap machine. The curtain shall finish 1 1/2" wide and be interlined with a nonwoven. No banrol shall be used. The waistband shall be set on and stitched below the lower edge through the outer fabric and the waistband curtain. There shall be an elastic insert on each side of the trouser. It shall allow the trouser to expand a minimum of 1 1/2" on each side. The elastic shall be one inch wide. The elastic shall be secured on the inside of the waistband curtain on each end with a minimum 1" vertical stitch.
- I-*** **Front Pockets--** Quarter top style with a deep facing of self cloth in order that pocketing does not show. Pocketing shall be made of the specified trim fabric and to be stitched, turned and topstitched. Merrowed edges shall not be acceptable. Pocket opening shall be a minimum of 6 1/2" and pocket depth 10 1/2" to top of slant. Facing shall be a minimum of 1 1/2".
- II-*** **Front Pockets--** The front pocket opening shall be a minimum 6" and a minimum of 5 1/2" deep from the bottom of the opening. They shall be stitched, turned and restitched. The inside front pocket facing shall be a separate piece of self material finishing no less than 1 1/4" wide. The front pockets shall have straight bartacks.
- I-*** **Back Pockets--** Two single welt slash pockets with flaps inserted into top - edge. Pocket to finish a minimum of 6 1/4" deep by 5 3/4" wide. Facings shall be minimum of 1" deep of self-material in the body side. Pocketing shall be top stitched. Pocketing shall extend up to and be caught in waistband seam to prevent sagging.
- II-*** **Back Pockets--** The back pockets shall have a minimum opening of 5 1/2" wide and shall be a minimum of 6" deep on size 14 and up. On size 12 and down, the minimum opening shall be 5" wide and 6" deep. They shall be finished on the outside with an exposed top and bottom cord, with flaps inserted into the top edge. The top and bottom pocket beads shall be approximately 1/8" in width, interlined with pellon. Facings shall be minimum of 1" deep of self-material on the body side. Pocketing shall be stitched, turned and restitched. Pocketing shall extend up to and be caught in waistband seam to prevent sagging. The back pockets shall have straight bartacks.
- *** **Hip Pocket Flap:** Flap shall be constructed of basic fabric and lined with the specified trim. It shall be constructed with a concealed button hole tab so that bottom closure is concealed. No stitching shall show on the outside of the flap. The flap shall be spade style with a single point. The flap shall measure 1 1/4" on the sides 2 1/4" at the point and the width of the pocket welt.
- I-*** **Belt Loops:** There shall be 7 belt loops. Belt loops shall be lined with no stitching to show on the outside and shall be 2 1/4" high and 1" wide. All loops to be inserted into both the top and bottom waistband seams with the exception of the back center loop.
- II-*** **Belt Loops:** There shall be a minimum of 5 belt loops on waist sizes 12 and down, and a minimum of 7 on all sizes over 14. Each loop is to be 1" wide, of double thickness and blindstitched on the back. The center back loop shall be tacked on. All other loops are to be sewn into the rocap at the top and dropped and tacked below the waistband seam. The opening shall be a minimum of 2 1/4".

ATTACHMENT B

- * **Bottoms:** All bottoms shall be plain with a minimum of 1 ¾" turnunder and finished with a blind stitch felling machine. Stitched through bottoms is not acceptable.

Sizes and Measurements

Finished Dimensions

I-A	Sizes:	Short: 28-40
		Regular: 28-54
		Long: 32-48
		Xlong: 32-46
I-B	Sizes:	Petite: 2-14
		Regular: 2-30
		Tall: 4-24

ATTACHMENT B

N576 Trousers, Female, Green 16 Oz. 55/45 P/W Elastique

Specifications are identical for the following other components:

N554 Trousers, Male, Green 11 Oz. 55/45 P/W Tropical
C555 Trousers, Male, Green 11 Oz. 55/45 P/W Tropical
N556 Trousers, Male, Green 16 Oz. 55/45 P/W Elastique
C557 Trousers, Male, Green 16 Oz. 55/45 P/W Elastique
C562 Trousers, Male, Grey, 11 Oz. P/W Tropical
C574 Trousers, Female, Green 11 Oz. 55/45 P/W Tropical
N575 Trousers, Female, Green 11 Oz. 55/45 P/W Tropical
C570 Trousers, Female, Green 16 Oz. 55/45 P/W Elastique

Sample Size: All dimensions are based on Male size 36R and Female size 12R

GENERAL DESCRIPTION

Plain Front with a slight flare at bottom. Quarter top front pockets, two back pockets, French fly with hook and eye closure, and two back darts. There shall be two darts on the front panel of the female's trousers and no darts on the front of the male's trousers.

TYPE ITEMS: *-Male and Female Type I—Male Type II—Female

CLASSIFICATION		NPS (M/F)	COE (M/F)
*	All Trousers	*	*
A	Elastique Trousers	N556/N576	C557/C570
B	Tropical Trousers	N554/N575	C555/ C574/C562

SALIENT CHARACTERISTICS

Components

- *-A **Basic Material:** Raeford Mills 16-ounce Forest Green 55% Dacron Polyester/45% Wool Elastique fabric.
- *-B **Basic Material:** Raeford Mills 11-ounce Forest Green 55% Dacron Polyester/45% Wool Tropical fabric.
- * **Linings:** The material used for pockets, waistband lining and fly lining shall be suitable quality black fabric for dress trousers.
- * **Thread:** All thread, except #8 cotton buttonhole gimp, shall be cotton covered polyester conforming to ticket numbers 50-3 ply and 70-2 ply of MIT-T-43548. The color shall match the self-material shade. Size 50-3 ply shall be used for all sewing operations except that 70-2 ply may be used for overedging operations.
- * **Button Holes:** Buttonholes shall be eyelet, square bar, gimp reinforced type.
- * **Buttons:** The buttons for hip pockets and French fly shall be flat 4-hole, 24 ligne polyester type in plain style, and in a shade similar to or slightly darker than the basic fabric. The buttons for the hip pocket shall be Melamine Potomac M3762, 4 hole, 24 ligne, Forest Green.
- * **Zipper:** A brass memory lock slider and zipper with a brass bottom stop at the base of the zipper chain shall be used.

ATTACHMENT B

- * **Labels:** See general reference and requirements sheet.

General Instructions

- I-* **Stitching:** Center back turnunder shall be no less than 2" to take care of any alterations and the seat seam shall be sewn on a double needle chain stitch (401) machine, having tandem needles with an offset of 1/32nd of an inch. The inseams and outseams, seam allowances shall be 1" wide and sewn with a single needle chain stitch (401) and pressed open inside. All other seams shall use lock stitch (301). All exposed raw edges shall be serged (503 or 504) to prevent raveling. 10-16 stitches per inch are required, except for 5 to 7 stitches per inch for blindstitching.
- II-* **Stitching:** The seat seam shall be stitched with a tandem needle seat-seaming machine. There shall be a center back seam allowance of no less than 1 5/8" to take care of alterations. 10-16 stitches per inch are required, except for 5 to 7 stitches per inch for blindstitching.
- * **Bartacks:** There shall be bartacks at all points of strain including base of fly curve, inside bottom edge of fly and all pocket openings. Front pocket openings shall be bartacked at bottom and at top beneath waistband. Each end of hip pockets shall be bartacked. Eye closure in waistband shall be bartacked. All bartacks shall be 3/8 to 1/2" in length.

Detail Design Characteristics

- II-* **Front Panel:** The trouser shall have a reinforced panel on each front. It shall be constructed of the same fabric as the pocketing. It shall extend from the waistband topstitch seam approximately 4". The back edge shall be folded and topstitched to the front edge of each front pocket bag. The front edge of each reinforced panel shall be stitched to the fly. The bottom edge of the bellyband shall be tightly serged so it shall not ravel.
- I-* **Crotch and Fly:** The zipper stay is to be cut of matching specified trim and to be the exact size as the fly and to be serged together. The French fly is to be made of the same material as the trouser. The zipper to be not less than 1/2 inch under the opening. The fly lining is to have a tail covering inseam and crotch. Crotch is to be lined front and back, four quarter, with a double thickness of matching specified trim fabric. The fly shall also have a tab and button closure at the bottom of the waistband. The tab shall be made of basic material.
- II-* **Crotch and Fly:** The right fly shall be the same fabric and color as the waistband curtain. The right fly lining shall be sewn to the left fly below the zipper. The right fly lining shall extend to within 1" of the inseams joining seam.
- II-* **Darts:** There shall be one tapering dart over each hip pocket and one on each front panel. The purpose of the darts is to contour the garment to a true female fit. The front darts shall be approximately 3" long from the waistband. The hip pocket darts shall extend from the waistband to the top of the hip pocket.

ATTACHMENT B

- I-*** **Waistband:** The waistband shall be 2" wide and shall be closed with a crush proof hook and eye, the eye being bartacked for stability. The finished waistband curtain, 2 3/8" wide, shall be attached with a rocap machine. The waistband curtain shall be made of the specified trim and shall have 3 strand Snug-tex sewn into the waistband lining. Snug-tex sewn on to the top of the waistband lining shall not be authorized. Trousers shall have banrol waistband stabilizer sewn into the waistband on the front of the trousers from side seam to side seam. Trousers shall be made with a continuous closed waistband using the closed corner method. The waistband shall be set on and shall be stitched below the lower edge through the outer fabric and the waistband curtain.
- II-*** **Waistband:** The waistband shall be 1 1/4" wide and shall be closed with a crushproof hook and eye, the eye being bartacked for stability. The waistband curtain shall be attached with a rocap machine. The curtain shall finish 1 1/2" wide and be interlined with a nonwoven. No banrol shall be used. The waistband shall be set on and stitched below the lower edge through the outer fabric and the waistband curtain. There shall be an elastic insert on each side of the trouser. It shall allow the trouser to expand a minimum of 1 1/2" on each side. The elastic shall be one inch wide. The elastic shall be secured on the inside of the waistband curtain on each end with a minimum 1" vertical stitch.
- I-*** **Front Pockets--** Quarter top style with a deep facing of self cloth in order that pocketing does not show. Pocketing shall be made of the specified trim fabric and to be stitched, turned and topstitched. Merrowed edges shall not be acceptable. Pocket opening shall be a minimum of 6 1/2" and pocket depth 10 1/2" to top of slant. Facing shall be a minimum of 1 1/2".
- II-*** **Front Pockets--** The front pocket opening shall be a minimum 6" and a minimum of 5 1/2" deep from the bottom of the opening. They shall be stitched, turned and restitched. The inside front pocket facing shall be a separate piece of self material finishing no less than 1 1/4" wide. The front pockets shall have straight bartacks.
- I-*** **Back Pockets--** Two single welt slash pockets with flaps inserted into top - edge. Pocket to finish a minimum of 6 1/4" deep by 5 3/4" wide. Facings shall be minimum of 1" deep of self-material in the body side. Pocketing shall be top stitched. Pocketing shall extend up to and be caught in waistband seam to prevent sagging.
- II-*** **Back Pockets--** The back pockets shall have a minimum opening of 5 1/2" wide and shall be a minimum of 6" deep on size 14 and up. On size 12 and down, the minimum opening shall be 5" wide and 6" deep. They shall be finished on the outside with an exposed top and bottom cord, with flaps inserted into the top edge. The top and bottom pocket beads shall be approximately 1/8" in width, interlined with pellon. Facings shall be minimum of 1" deep of self-material on the body side. Pocketing shall be stitched, turned and restitched. Pocketing shall extend up to and be caught in waistband seam to prevent sagging. The back pockets shall have straight bartacks.
- *** **Hip Pocket Flap:** Flap shall be constructed of basic fabric and lined with the specified trim. It shall be constructed with a concealed button hole tab so that bottom closure is concealed. No stitching shall show on the outside of the flap. The flap shall be spade style with a single point. The flap shall measure 1 1/4" on the sides 2 1/4" at the point and the width of the pocket welt.
- I-*** **Belt Loops:** There shall be 7 belt loops. Belt loops shall be lined with no stitching to show on the outside and shall be 2 1/4" high and 1" wide. All loops to be inserted into both the top and bottom waistband seams with the exception of the back center loop.
- II-*** **Belt Loops:** There shall be a minimum of 5 belt loops on waist sizes 12 and down, and a minimum of 7 on all sizes over 14. Each loop is to be 1" wide, of double thickness and blindstitched on the back. The center back loop shall be tacked on. All other loops are to be sewn into the rocap at the top and dropped and tacked below the waistband seam. The opening shall be a minimum of 2 1/4".

ATTACHMENT B

- * **Bottoms:** All bottoms shall be plain with a minimum of 1 ¾" turnunder and finished with a blind stitch felling machine. Stitched through bottoms is not acceptable.

Sizes and Measurements

Finished Dimensions

I-A	Sizes:	Short: 28-40
		Regular: 28-54
		Long: 32-48
		Xlong: 32-46
I-B	Sizes:	Petite: 2-14
		Regular: 2-30
		Tall: 4-24

ATTACHMENT B

N577 Trousers, Female, Green 8 Oz. 65/35 P/C Chetopa IV Twill

Specifications are identical for the following other components:

C558 Trousers, Male, Green 8 Oz. 65/35 P/C Chetopa IV Twill

N559 Trousers, Male, Green 8 Oz. 65/35 P/C Chetopa IV Twill

C571 Trousers, Female, Green 8 Oz. 65/35 P/C Chetopa IV Twill

Sample Size: All dimensions are based on sizes, C558 and N559, C572 and N577.

GENERAL DESCRIPTION

Trousers shall have a plain front, quarter top front pockets, 2 back pockets, zipper fly, hook and eye closures, and two back darts. The female version has four darts and an elastic waistband for ease of fit.

TYPE ITEMS: *-Male and Female Type I—Male Type II—Female

CLASSIFICATION COE # (M/F) NPS # (M/F)

*	All Trousers	*	*
	C558/C571		N559/N577

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The material shall be Graniteville Chetopa IV twill, 65% / 35% cotton, 8 oz. per square yard, Forest Green or equal.
- * **Linings:** The lining used for pockets, waistband lining, and fly lining shall be 65% Polyester/35% Cotton or equal. Color shall be black or other dark shade that does not show through.
- **Thread:** The thread for all sewing operations shall be cotton covered polyester, or 100% spun polyester, dyed to match shade of self material, conforming to ticket number 50-2 or 3 tex and 70-2 or 3 tex. All lockstitch (301) shall use 50 tex, for the looper, (401) shall use 50 tex for the needle and 70 or 50 tex for the looper, overedging (503 and 504) shall use 70 tex, and safety stitching (515 and 516) shall use 50 tex for the needle thread and 70 tex for other threads.
- I-* **Fly and Crotch:** Left fly to extend minimum of 3/8 inch beyond slide fastener tape to keep it concealed. Fly shall be bartacked at bottom of fly curve. Right fly lining to extend down to junction of side and seat seams. Right and left flies and zipper tape shall be bartacked together inside at bottom left corner.
- II-* **Fly and Crotch:** The right fly shall be the same fabric and color as the waistband curtain. The right fly lining shall be sewn to the left fly below the zipper. The right fly lining shall extend to within 1" of the inseams joining seam.
- * **Buttons:** The left back pocket button shall be: Melamine Potomac M3762, 4 hole, 22 ligne, Forest Green.
- I-* **Zippers:** A non-corrosive, heavy weight brass zipper with slide fastener or equal shall be used. It shall have an automatic cam lock. Tape shall be a polyester/cotton blend, color to match self-material. Slide fastener to be sewn to each fly with a minimum of 2 rows of lockstitch.

ATTACHMENT B

II-* **Zippers:** The trousers shall be closed with a brass memory lock slider and zipper and have a brass bottom stop at the base of the zipper chain. A straight bartack shall be sewn through from the outside of the garment to the inside of the bottom of the fly. It shall be sewn through the zipper tape, the right and left fly and the right fly lining. The right and left fly shall be joined by an additional bartack located below the zipper stop on the inside of the trouser.

***** **Labels:** See general reference and requirements sheet.

General Instructions

I-* **Stitching:** Waistband, fly, facing and slide fastener stitching shall be lockstitch (301). Seat seams shall be stitched with two rows of tandem needle chains (401) stitching. Inseams and outseams shall be chain stitched (401) and seams pressed open. Bottom hem shall be turned inside 1-3/8 inches and blind stitched. Minimum stitches per inch shall be 8 except blind stitching which shall be a minimum of 5. All exposed inside seams shall be serged.

II-* **Stitching:** The entire trouser is to be seamed with polyester core or 100% polyester spun thread. The seat seam shall be stitched with a tandem needle seat seaming machine. There shall be a center back seam allowance of no less than 2 1/2" to take care of alterations.

***** **Fit:** Trousers shall be full waisted and moderately trim fitting in seat, thigh and knee.

Detail Design Characteristics

I-* **Waistband:** The waistband shall be 2 inches wide and shall be closed with a crush proof hook and eye, the eye being bartacked for stability. This finished waistband curtain, 2-1/2 inches wide, shall be attached with a rocap machine. Trousers shall have banrol waistband stabilizer sewn into the waistband on the front of the trousers from side seam to side seam. Trousers shall be made with a continuous closed waistband using the closed corner method. The waistband shall be set on and shall be stitched below the lower edge through the outer fabric and the waistband curtain.

II-* **Waistband:** The waistband shall be 1 1/4" wide and shall be closed with a crushproof hook and eye, the eye being bartacked for stability. The waistband curtain shall be attached with a rocap machine. The curtain shall finish 1 1/2" wide and be interlined with a nonwoven. The waistband shall be set on and stitched below the lower edge through the outer fabric and the waistband curtain. There shall be an elastic insert on each side of the trouser. It shall allow the trouser to expand a minimum of 1 1/2" on each side. The elastic shall be one inch wide. The elastic shall be secured on the inside of the waistband curtain on each end with a minimum 1" vertical stitch.

II-* **Front Panel:** The trouser shall have a reinforced panel on each front. It shall be constructed of the same fabric as the pocketing. It shall extend from the waistband topstitch seam approximately 4 inches. The back edge shall be folded and topstitched to the front edge of each front pocket bag. The front edge of each reinforced panel shall be stitched to the fly. The bottom edge of the bellyband shall be tightly serged so it shall not ravel.

I-* **Darts:** One dart shall extend from each hip pocket to the waistband seam.

II-* **Darts:** There shall be one tapering dart over each hip pocket and one on each front panel. The purpose of the darts is to contour the garment to a true female fit. The front darts shall be approximately 3 inches long from the waistband. The hip pocket darts shall extend from the waistband to the top of the hip pocket.

ATTACHMENT B

- I-*** **Front Pockets:** The front pockets shall be quarter top type having a minimum opening of 6" and shall be 6" deep from bottom of opening. Facing shall be minimum of 1 5/8". The front pockets shall be stitched, turned and restitched. Ends of pocket opening shall be bartacked.
- II-*** **Front Pockets:** The front pocket opening shall be a minimum 6" and a minimum of 5 1/2" deep from the bottom of the opening. They shall be stitched, turned and restitched. The inside front pocket facing shall be a separate piece of self-material finishing no less than 1 1/4" wide.
- I-*** **Back Pockets:** Reece double welt slash style, 5-1/2 inches at opening, 6 inches deep. Ends of opening shall be bartacked. Facing shall be a minimum of 1 inch deep of self-material on the body side. Pockets to be constructed of lining fabric and shall continue into waistband seam to prevent sagging. Left pocket to have tab and button closure. Pockets shall be folded and top stitched.
- II-*** **Back Pockets:** The back pockets shall have a minimum opening of 5 1/2" wide and shall be 6" deep on size 14 and up. On size 12 and down, the minimum opening shall be 5" wide and 6" deep. They shall be made with an automatic PW machine finished on the outside with an exposed top and bottom cord. The top and bottom pocket beads shall be approximately 1/8" in width and interlined. The left pocket shall have a tab to button. The front and back pockets shall have straight bartacks.
- I-*** **Belt Loops:** Seven belt loops to be caught in upper and lower waistband seams except back center loop which shall be bartacked. Belt loops to be 3/4" wide and must accommodate a 2" belt.
- II-*** **Belt Loops:** There shall be a minimum of 5 belt loops on waist sizes 12 and down, and a minimum of 7 on all sizes over 14. Each loop is to be 3/4" wide and shall accommodate a 2" belt.
- *** **Bottoms:** Bottoms shall be hemmed with a blindstitch and have a minimum of 1 3/4" turned up.

Sizes and Measurements

Finished Dimensions

- *** **Sizes:** Male: Short: 28-40
 Regular: 28-56
 Long: 31-56
 X Long: 30-46
- Female Petite: 4-16
 Regular: 2-30
 Tall: 6-28

ATTACHMENT B

N579 Trousers, Female, Green Gore-Tex, Lined Rain/Wind

Specifications are identical for the following other components:

F553 Trousers, Male, Brown Gore-Tex, Lined Rain/Wind

C560 Trousers, Male, Green Gore-Tex, Lined Rain/Wind

F573 Trousers, Female, Brown Gore-Tex, Lined Rain/Wind

C578 Trousers, Female, Green Gore-Tex, Lined Rain/Wind

Sample Size: All dimensions are based on sizes F553, C560, N561, C578, N579 - Large, F573 - Medium

GENERAL DESCRIPTION

Fully lined Gore-Tex pants or equal featuring full length side zippers with inside weather flaps with elastic waist band and hook and pile tape side waistband closures.

TYPE ITEMS: *-Male and Female Type I—Male Type II—Female

CLASSIFICATION		COE (M/F)	NPS (M/F)
*	All Trousers	*	*
A	Green	C560/C578	N561/N579 FWS (M/F)
B	Brown		F553/F573

SALIENT CHARACTERISTICS

Components

- *-A **Basic Material:** The material shall be taslan nylon bonded to Gore-Tex film, Forest Green.
- *-B **Basic Material:** The material shall be taslan nylon bonded to Gore-Tex film, dark brown.
- * **Thread:** All thread shall be minimum size 60/36.
- * **Seams:** The crotch and inseams shall be full felled (seam type LS c-2) ¼" gauge. All stitching shall be stitch type 301. All closing seams shall be hot air heat sealed with Gore-Tex sealing tape on the inside of the pants. Sealed seams and stitching shall show no leakage.
- * **Zippers:** The side zippers shall be plastic scoop type, size 5 or equal. The zippers shall have two single pull, long tab sliders mouth-to-mouth. The tapes shall be 5/8" wide.
- * **Labels:** See general reference and requirements sheet.

Detail Design Characteristics

- * **Lining:** The pants shall be fully lined.
- I-A **Waistband:** The front and back waistbands and waistband linings shall be 2" wide. A 1 ¾" wide elastic band shall be sewn between the waistband and lining, extending to the waistband tabs on the front, and between the inner edges of the pile tape. The band shall be sewn down with one center row of stitching and stitched to the bottom of the waistband.

ATTACHMENT B

The front waistband shall be 15 ½" long relaxed. A 1 ½" wide by 2" long piece of hook tape shall be sewn to the inside of each waistband tab centered with one end of the tape ¼" from the end of the waistband top.

The back waistband shall be 15 ½" long relaxed. A 1 ½" wide by 2" long piece of loop tape shall be sewn to the outside of each waistband end, centered with the end of the tape ¼" from the end of the waistband.

The waistband shall have four snapped belt loops equally spaced for a duty belt.

- I-B **Waistband:**** The front and back waistbands and waistband linings shall be 2" wide and interlined with a compatible non-woven material. The front waistband shall be 25" long and edge stitched 1/8" gauge. The waistband and lining shall be basic material, one-piece construction. A 1 ½" wide by 4" long piece of pile tape shall be sewn to the inside of each waistband end, centered with the one end of the tape even with the end of the waistband.

The back waistband shall be 21" long and edge stitched 1/8" gauge. A 1 ½" wide by 3" long piece of hook tape shall be sewn to the outside of each waistband end, centered with the end of the tape ¼" from the end of the waistband. A 1 ¾" wide elastic band shall be sewn between the waistband and lining and shall extend between the inner edges of the hook tape and be sewn down and shirred with 3 rows of stitching, ½" gauge.

- II-A **Waistband:**** The front and back waistbands and waistband linings shall be 2" wide. A 1 ½" wide elastic band shall be sewn between the waistband and lining, extending to the waistband tabs on the front, and between the inner edges of the pile tape. The band shall be sewn down with one center row of stitching and stitched to the bottom of the waistband.

The front waistband shall be 12 ¼" long relaxed. A 1 ½" wide by 2" long piece of hook tape shall be sewn to the inside of each waistband tab centered with one end of the tape ¼" from the end of the waistband top.

The back waistband shall be 15 ½" long relaxed. A 1 ½" wide by 2" long piece of loop tape shall be sewn to the outside of each waistband end, centered with the end of the tape ¼" from the end of the waistband.

The waistband shall have four snapped belt loops equally spaced for a duty belt.

- II-B **Waistband:**** The front and back waistbands and waistband linings shall be 2" wide and interlined with a compatible non-woven material. The front waistband shall be 20 ½" long and edge stitched 1/8" gauge. The waistband and lining shall be basic material, one-piece construction. A 1 ½" wide by 4" long piece of pile tape shall be sewn to the inside of each waistband end, centered with the one end of the tape even with the end of the waistband.

The back waistband shall be 18" long and edge stitched 1/8" gauge. A 1 ½" wide by 3" long piece of hook tape shall be sewn to the outside of each waistband end, centered with the end of the tape ¼" from the end of the waistband. A 1 ¾" wide elastic band shall be sewn between the waistband and lining and shall extend between the inner edges of the hook tape and be sewn down and shirred with 3 rows of stitching, ½" gauge.

ATTACHMENT B

- I-A Outseam Opening:** Each outseam shall close with a full length zipper. The zipper shall start at the bottom of the waistband and end less than 1" from the pant bottom edge. A full length under flap and lining constructed of basic material shall be 1 ½" wide and caught with the zipper tape between the rear panel and the lining panel. A 2" long basic material tab shall be 1 ½" wide on the outside edge and 2 ½" wide where it is attached with the zipper tape between the front panel and lining panel. A 24 ligne female snap shall be attached in the bottom outside corner ½" from each edge. A male snap shall be attached on the back panel ¾" from the outseam and ½" from the bottom edge of the pants. The outseam shall be 43 ¼" long between the waistband top and the bottom edge of the pant leg along the zipper.
- I-B Outseam Opening:** Each outseam shall close with a full length zipper. The zipper shall start at the bottom of the waistband and end less than 1" from the pant bottom edge. A full length under flap and lining constructed of basic material shall be 1 ½" wide and caught with the zipper tape between the rear panel and the lining panel. A 2" long basic material tab shall be 1 ½" wide on the outside edge and 2 ½" wide where it is attached with the zipper tape between the front panel and lining panel. A 24 ligne female snap shall be attached in the bottom outside corner ½" from each edge. A male snap shall be attached on the back panel ¾" from the outseam and ½" from the bottom edge of the pants. The outseam shall be 44" long between the waistband top and the bottom edge of the pant leg along the zipper.
- II-A Outseam Opening:** Each outseam shall close with a full length zipper. The zipper shall start at the bottom of the waistband and end less than 1" from the pant bottom edge. A full length under flap and lining constructed of basic material shall be 1 ½" wide and caught with the zipper tape between the rear panel and the lining panel. A 2" long basic material tab shall be 1 ½" wide on the outside edge and 2 ½" wide where it is attached with the zipper tape between the front panel and lining panel. A 24 ligne female snap shall be attached in the bottom outside corner ½" from each edge. A male snap shall be attached on the back panel ¾" from the outseam and ½" from the bottom edge of the pants. The outseam shall be 42" long between the waistband top and the bottom edge of the pant leg along the zipper.
- II-B Outseam Opening:** Each outseam shall close with a full length zipper. The zipper shall start at the bottom of the waistband and end less than 1" from the pant bottom edge. A full length under flap and lining constructed of basic material shall be 1 ½" wide and caught with the zipper tape between the rear panel and the lining panel. A 2" long basic material tab shall be 1 ½" wide on the outside edge and 2 ½" wide where it is attached with the zipper tape between the front panel and lining panel. A 24 ligne female snap shall be attached in the bottom outside corner ½" from each edge. A male snap shall be attached on the back panel ¾" from the outseam and ½" from the bottom edge of the pants. The outseam shall be 42" long between the waistband top and the bottom edge of the pant leg along the zipper.
- I-* Reinforcement Patch:** The patch shall reinforce the seat area and shall be constructed from reinforcement fabric. The sides shall end 1 ½" from inside edges of weather flaps and shall extend down 21 ½". The top edge shall be caught in the waistband seam and sides shall be folded under and topstitched 1/8" gauge to the weather flaps. The bottom edge of the patch shall be joined to the lining with seam allowances not showing. The urethane coating shall face to the outside of the pants.
- II-A Reinforcement Patch:** The patch shall reinforce the seat area and shall be constructed from reinforcement fabric. The sides shall end 1 ½" from inside edges of weather flaps and shall extend down 19 ¼". The top edge shall be caught in the waistband seam and sides shall be folded under and topstitched 1/8" gauge to the weather flaps. The bottom edge of the patch shall be joined to the lining with seam allowances not showing. The urethane coating shall face to the outside of the pants.

ATTACHMENT B

II-B Reinforcement Patch: The patch shall reinforce the seat area and shall be constructed from reinforcement fabric. The sides shall end 1 ½” from inside edges of weather flaps and shall extend down 19 ½”. The top edge shall be caught in the waistband seam and sides shall be folded under and topstitched 1/8” gauge to the weather flaps. The bottom edge of the patch shall be joined to the lining with seam allowances not showing. The urethane coating shall face to the outside of the pants.

Sizes and Measurements

* **Finished Dimensions**

* **Sizes:** Male - Regular: S-XXL
Male - Long: M-XXL
Female - S-XL

ATTACHMENT B

N581 Trousers, Female, Forest Green 12 Oz. Cotton Duck, Brush

Specifications are identical for the following other component:

N563 Trousers, Male, Forest Green 12 Oz. Cotton Duck, Brush

Sample Size: All dimensions are based on Male size 36, and Female size 12.

GENERAL DESCRIPTION

TYPE ITEMS: *-Male and Female Type I—Male Type II—Female

CLASSIFICATION NPS (M/F)

* All Trousers *
 N563
 N581

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The material shall be Graniteville style Scrooge McDuck, 12 ounce, 100% cotton, vat-dyed duck with an impregnole, water repellent finish. Preference is for Color 47770-10 Forest Green, pre-washed and colorfast treated material.
- * **Zipper:** Front zipper shall be a number 4 brass pant zipper.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Stitching:** The side seam and seat seam are of safety stitch construction with two-needle ¼" topstitching. The inseam shall be safety stitch construction.

Detail Design Characteristics

- I-* **Front Pant:** Two piece front with quarter top, bag type pocket. Each front has a patch on overlay of self-fabric forming the leg facing. The leg facing extends from the bottom hem up to 1 1/4" of the crotch seam. The hem top of facing shall be set with a two-needle, ¼" stitch. The facing shall be sewn in the side seam and inseam.
- II-* **Front Pant:** Two piece front with quarter top, bag type pocket. Each front has a patch on overlay of self fabric forming the leg facing. The leg facing extends from the bottom hem up to 1-1/4 inch of the crotch seam. The hem top of facing shall be set with a two-needle, 1/4 inch stitch. The facing shall be sewn in the side seam and inseam.
- * **Front Fly:** Two piece jean type fly. Left fly shall be interlined with non-woven and serged inside edge. Right fly shall be folded like a jean with fly and zipper set into body seam, which is serged. 1/16" topstitching on body at zipper. Bottom of fly shall be bartacked and two-needle felled from fly to crotch seam. Fly "J" stitch is approximately 1" below the bartack. The fly stitch on the shell shall be 1 1/4" wide. A two-needle ¼" stitch shall form the down fly and "J" stitch. A bartack shall be placed in the "J" stitch approximately 1 ¾" from the bottom of the fly.

ATTACHMENT B

- I-*** **Waistband:** Folded, one piece, two-needle band. The band shall be folder set with one row of stitching at top and bottom of band, 1/8" from edge. One 30 ligne button closure at band end. Buttonhole on left end of band with button placed over zipper on right side.
- II-*** **Waistband:** Folded, one piece, two-needle band. The band shall be folder set with one row of stitching at top and bottom of band, 1/8" from edge. One 30 ligne button closure at band end. Buttonhole on left end of band with button placed over zipper on right side. The waistband is to finish 1 5/8" in width.
- I-*** **Front Pockets:** Quarter top bagged pocket. Pocket opening shall be approximately 1 3/4" from side seam. Front pocket hem shall be a rolled two-needle clean finishing hem. A self-material pocket facing shall be placed on the pocket bag with a single-needle construction. Inside pocket fabric extends into waistband. The bag shall be approximately 12 1/2" long and 7 inch wide. The pocket opening shall be 6 1/2" wide. Opening shall be bartacked at bottom and top.
- II-*** **Front Pockets:** Quarter top bagged pocket. Pocket opening shall be approximately 1 3/4" from side seam. Front pocket hem shall be a rolled two-needle clean finishing hem. A self material pocket facing shall be placed on the pocket bag with a single-needle construction. Inside pocket fabric extends into waistband. The bag shall be approximately 11 3/4" long and 6 3/4 wide. The pocket opening shall be bartacked at bottom and top of the opening.
- I-*** **Hip Pockets:** Spade type, patch on pocket set with 1/4", two-needle stitch. Pocket shall be approximately 6 1/2" wide and 6 3/4" deep at point. Pocket hem shall be two-needle rolled, clean-finished 1/4" stitch.
- II-*** **Hip Pockets:** Spade type, patch on pocket set with 1/4", two-needle stitch. Pocket shall be approximately 5 3/4" wide and 6 1/4" deep at point. Pocket hem shall be two needle rolled, clean-finished hem with two needle stitching.
- I-*** **Hip Flap:** Two piece rectangular flap made up with 1/4", two-needle stitching. Flap shall be set to body with 1/4", two-needle stitching and bartacked at each end. Flap shall be approximately 6 3/4" long and 2 1/2" wide. Flap has a buttonhole centered to match the 30-ligne button tacked to the pocket. Flap shall be interlined with non-woven fabric.
- II-*** **Hip Flap:** Two piece rectangular flap made up with 1/4", two-needle stitching. Flap shall be set to body with 1/4", two-needle stitching and bartacked at each end. Flap shall be approximately 6 inches long and 1 3/4" wide. Flap has a button hole centered to match the 30 ligne button tacked to the pocket. Flap shall be interlined with non-woven fabric.
- *** **Belt Loops:** Seven belt loops shall be 1/2" wide finished and shall accommodate 2" belts.
- *** **Bottoms:** The bottom hem shall be a rolled clean finished hem with a single-needle 3/4" stitch. Front and back leg facings extend into bottom hem.

Sizes and Measurements

Finished Dimensions:

I-A	Sizes:	Length: 30"	Size:	30-46
		32"		30-46
		34"		30-46
		36"		32-38
I-B	Sizes:	Length: 28"	Size:	8-20
		30"		8-20
		32"		8-20
		34"		8-16

ATTACHMENT B

N588 Vest, Male, Green Nylon, Insulated with Badge Tab

Specifications are identical for the following other components:

C587 Vest, Male, Green Nylon Insulated with Badge Tab
N622 Vest, Male, Green Nylon, Insulated without Badge Tab
F586 Vest, Male, Brown Nylon, Insulated without Badge Tab
C591 Vest, Female, Green Nylon Insulated with Badge Tab
N592 Vest, Female, Green Nylon Insulated with Badge Tab
N623 Vest, Female, Green Nylon Insulated without Badge Tab
F590 Vest, Female, Brown Nylon Insulated without Badge Tab

Sample Size: All dimensions are based on Male size L and Female size M

GENERAL DESCRIPTION

Raven Industries (or equal) Thinsulate/Fleece lined insulated vest with a zipper front and two hand warmer pockets, with/without badge tab holder and name plate.

TYPE ITEMS: *--All Vests Type I—Male Type II—Female

CLASSIFICATION		COE # (M/F)	NPS # (M/F)	FWS # (M/F)
*	All Vests	*	*	*
A	With Badge Tab, Green	C587/C591	N588/N592	*
B	Without Badge Tab, Green	*	N622/623	*
C	Without Badge Tab, Brown	*	*	F586/F590

SALIENT CHARACTERISTICS

Components

- *-A/B **Basic Material:** The material shall be taslon nylon, 2 ply, with 3M thinsulate insulation and fleece lining, Forest Green. The fronts, back and collar shall be fully insulated with 60-70 grams per square meter Thinsulate insulation or equal.
- *-C **Basic Material:** The material shall be taslon nylon, 2 ply, with 3M thinsulate insulation and fleece lining, brown. The fronts, back and collar shall be fully insulated with 60-70 grams per square meter Thinsulate insulation or equal.
- * **Thread:** All thread except topstitching shall be minimum size 60/36. Color consistent with basic material.
- * **Zipper:** The zipper shall be a Vislon plastic scoop type, size 5 or equal. The zipper shall be a single pull, single slider with a long pull-tab. The tape shall be a minimum 1/2" wide.
- * **Labels:** See general references and requirements sheet.

Detail Design Characteristics

- * **Collar:** The stand up collar shall be one piece construction made from shell fabric on the outside and fleece on the inside. The collar shall be 3" wide at the front edge and not less than 2 3/4" wide at center back.

ATTACHMENT B

- I-*** **Front:** The front shall have a zipper closure from the top of the collar down to within $\frac{3}{4}$ " of the bottom edge. The front length shall be $20\frac{1}{2}$ " long from collar seam to bottom edge. The front zipper shall be 23" long from top of collar to bottom. Zipper tapes shall be caught between front folded edges of vest shell and lining with the folded edges topstitched $\frac{1}{4}$ " gauge. The bottom edge shall form a curve gradually tapering up from the center front to the side seams. The side length shall be 11" from armhole to bottom edge. The half chest shall be 24" wide.
- II-*** **Front:** The front shall have a zipper closure from the top of the collar down to within $\frac{3}{4}$ " of the bottom edge. The front length shall be $17\frac{1}{2}$ " long from collar seam to bottom edge. The front zipper shall be 20" long from top of collar to bottom. Zipper tapes shall be caught between front folded edges of vest shell and lining with the folded edges topstitched $\frac{1}{4}$ " Gauge. The bottom edge shall form a curve gradually tapering up from the center front to the side seams. The side length shall be $9\frac{1}{4}$ " from armhole to bottom edge. The half chest shall be 21" wide.
- I-*** **Back:** The back shall be plain. The center back shall be 24" long from the collar seam to the bottom edge.
- II-*** **Back:** The back shall be plain. The center back shall be $19\frac{1}{4}$ " long from the collar seam to the bottom edge.
- I-*** **Pockets:** A single welt slash pocket shall be located on each front. The bottom of the pocket opening shall be 2" above the bottom front edge and $4\frac{1}{2}$ " from the side seam. The top of the pocket opening shall be $8\frac{1}{2}$ " above the bottom front edge and $4\frac{5}{8}$ " from the side seam. The opening shall be $6\frac{5}{8}$ " long. The welt shall be $6\frac{5}{8}$ " long and $\frac{5}{8}$ " wide. Welt edges shall be top stitched $\frac{1}{16}$ " gauge. Pocket lining shall be shell fabric and shall be 7" deep at center.
- II-*** **Pockets:** A single welt slash pocket shall be located on each front. The bottom of the pocket opening shall be $1\frac{7}{8}$ " above the bottom front edge and $2\frac{1}{4}$ " from the side seam. The top of the pocket opening shall be 8" above the bottom front edge and $3\frac{3}{4}$ " from the side seam. The opening shall be $5\frac{5}{8}$ " long. The welt shall be $5\frac{5}{8}$ " long and $\frac{5}{8}$ " wide. Welt edges shall be top stitched $\frac{1}{16}$ " gauge. Pocket lining shall be shell fabric and shall be 7" deep at center.
- *-A** **Badge Reinforcement:** Badge and name tabs shall be constructed from the outer shell fabric. The tabs shall finish $\frac{1}{2}$ " wide with $\frac{1}{8}$ " top stitching and the tab ends shall be turned under $\frac{1}{4}$ " and attached to the fronts with bartacks $\frac{1}{16}$ " from the folded edge. The badge tab shall be 2" long with two sewn eyelets centered $\frac{15}{16}$ " apart. The badge tab shall be located on the left front in vertical alignment with the inner edge $3\frac{3}{4}$ " from the left front fly edge and the top edge $6\frac{1}{4}$ " below the front shoulder seam. The name tab shall be 3" long with two sewn eyelets centered $1\frac{7}{8}$ " apart. Badge tab and name tag backtacked.
- I-*** **Armhole:** The shoulder seam shall be 6" long. The armhole shell and lining shall be stitched, turned and topstitched $\frac{1}{4}$ " gauge.
- II-*** **Armhole:** The shoulder seam shall be $4\frac{1}{2}$ " long. The armhole shell and lining shall be stitched, turned and topstitched $\frac{1}{4}$ " gauge.
- *** **Bottom:** The bottom edge of the shell and lining shall be stitched, turned and topstitched $\frac{1}{4}$ " gauge.
- *** **Hanger Loop:** A $\frac{3}{8}$ " wide black nylon tape hanger loop $1\frac{3}{4}$ " long shall be sewn into the inside collar seam at center back.

ATTACHMENT B

Sizes and Measurements

Finished Dimensions

I-*	Sizes:	Regular: XS-XXXXL
		Long: S-XXXXL
II-*	Sizes:	Regular: XS-XXL
		Long: M-XXL

ATTACHMENT B

N592 Vest, Female, Green Nylon Insulated with Badge Tab

Specifications are identical for the following other components:

C587 Vest, Male, Green Nylon Insulated with Badge Tab
N588 Vest, Male, Green Nylon, Insulated with Badge Tab
N622 Vest, Male, Green Nylon, Insulated without Badge Tab
F586 Vest, Male, Brown Nylon, Insulated without Badge Tab
C591 Vest, Female, Green Nylon Insulated with Badge Tab
N623 Vest, Female, Green Nylon Insulated without Badge Tab
F590 Vest, Female, Brown Nylon Insulated without Badge Tab

Sample Size: All dimensions are based on Male size L and Female size M

GENERAL DESCRIPTION

Raven Industries (or equal) Thinsulate/Fleece lined insulated vest with a zipper front and two hand warmer pockets, with/without badge tab holder and name plate.

TYPE ITEMS: *--All Vests Type I—Male Type II—Female

CLASSIFICATION	COE # (M/F)	NPS # (M/F)	FWS # (M/F)
* All Vests	*	*	*
A With Badge Tab, Green	C587/C591	N588/N592	*
B Without Badge Tab, Green	*	N622/623	*
C Without Badge Tab, Brown	*	*	F586/F590

SALIENT CHARACTERISTICS

Components

- *-A/B **Basic Material:** The material shall be taslon nylon, 2 ply, with 3M thinsulate insulation and fleece lining, Forest Green. The fronts, back and collar shall be fully insulated with 60-70 grams per square meter Thinsulate insulation or equal.
- *-C **Basic Material:** The material shall be taslon nylon, 2 ply, with 3M thinsulate insulation and fleece lining, brown. The fronts, back and collar shall be fully insulated with 60-70 grams per square meter Thinsulate insulation or equal.
- * **Thread:** All thread except topstitching shall be minimum size 60/36. Color consistent with basic material.
- * **Zipper:** The zipper shall be a Vislon plastic scoop type, size 5 or equal. The zipper shall be a single pull, single slider with a long pull-tab. The tape shall be a minimum 1/2" wide.
- * **Labels:** See general references and requirements sheet.

Detail Design Characteristics

- * **Collar:** The stand up collar shall be one piece construction made from shell fabric on the outside and fleece on the inside. The collar shall be 3" wide at the front edge and not less than 2 3/4" wide at center back.

ATTACHMENT B

- I-*** **Front:** The front shall have a zipper closure from the top of the collar down to within $\frac{3}{4}$ " of the bottom edge. The front length shall be $20\frac{1}{2}$ " long from collar seam to bottom edge. The front zipper shall be 23" long from top of collar to bottom. Zipper tapes shall be caught between front folded edges of vest shell and lining with the folded edges topstitched $\frac{1}{4}$ " gauge. The bottom edge shall form a curve gradually tapering up from the center front to the side seams. The side length shall be 11" from armhole to bottom edge. The half chest shall be 24" wide.
- II-*** **Front:** The front shall have a zipper closure from the top of the collar down to within $\frac{3}{4}$ " of the bottom edge. The front length shall be $17\frac{1}{2}$ " long from collar seam to bottom edge. The front zipper shall be 20" long from top of collar to bottom. Zipper tapes shall be caught between front folded edges of vest shell and lining with the folded edges topstitched $\frac{1}{4}$ " Gauge. The bottom edge shall form a curve gradually tapering up from the center front to the side seams. The side length shall be $9\frac{1}{4}$ " from armhole to bottom edge. The half chest shall be 21" wide.
- I-*** **Back:** The back shall be plain. The center back shall be 24" long from the collar seam to the bottom edge.
- II-*** **Back:** The back shall be plain. The center back shall be $19\frac{1}{4}$ " long from the collar seam to the bottom edge.
- I-*** **Pockets:** A single welt slash pocket shall be located on each front. The bottom of the pocket opening shall be 2" above the bottom front edge and $4\frac{1}{2}$ " from the side seam. The top of the pocket opening shall be $8\frac{1}{2}$ " above the bottom front edge and $4\frac{5}{8}$ " from the side seam. The opening shall be $6\frac{5}{8}$ " long. The welt shall be $6\frac{5}{8}$ " long and $\frac{5}{8}$ " wide. Welt edges shall be top stitched $\frac{1}{16}$ " gauge. Pocket lining shall be shell fabric and shall be 7" deep at center.
- II-*** **Pockets:** A single welt slash pocket shall be located on each front. The bottom of the pocket opening shall be $1\frac{7}{8}$ " above the bottom front edge and $2\frac{1}{4}$ " from the side seam. The top of the pocket opening shall be 8" above the bottom front edge and $3\frac{3}{4}$ " from the side seam. The opening shall be $5\frac{5}{8}$ " long. The welt shall be $5\frac{5}{8}$ " long and $\frac{5}{8}$ " wide. Welt edges shall be top stitched $\frac{1}{16}$ " gauge. Pocket lining shall be shell fabric and shall be 7" deep at center.
- *-A** **Badge Reinforcement:** Badge and name tabs shall be constructed from the outer shell fabric. The tabs shall finish $\frac{1}{2}$ " wide with $\frac{1}{8}$ " top stitching and the tab ends shall be turned under $\frac{1}{4}$ " and attached to the fronts with bartacks $\frac{1}{16}$ " from the folded edge. The badge tab shall be 2" long with two sewn eyelets centered $\frac{15}{16}$ " apart. The badge tab shall be located on the left front in vertical alignment with the inner edge $3\frac{3}{4}$ " from the left front fly edge and the top edge $6\frac{1}{4}$ " below the front shoulder seam. The name tab shall be 3" long with two sewn eyelets centered $1\frac{7}{8}$ " apart. Badge tab and name tag backtacked.
- I-*** **Armhole:** The shoulder seam shall be 6" long. The armhole shell and lining shall be stitched, turned and topstitched $\frac{1}{4}$ " gauge.
- II-*** **Armhole:** The shoulder seam shall be $4\frac{1}{2}$ " long. The armhole shell and lining shall be stitched, turned and topstitched $\frac{1}{4}$ " gauge.
- *** **Bottom:** The bottom edge of the shell and lining shall be stitched, turned and topstitched $\frac{1}{4}$ " gauge.
- *** **Hanger Loop:** A $\frac{3}{8}$ " wide black nylon tape hanger loop $1\frac{3}{4}$ " long shall be sewn into the inside collar seam at center back.

ATTACHMENT B

Sizes and Measurements

Finished Dimensions

I-*	Sizes:	Regular: XS-XXXXL
	Long:	S-XXXXL
II-*	Sizes:	Regular: XS-XXL
	Long:	M-XXL

ATTACHMENT B

N594 Sweater, Green Acrylic, Lightweight Commando Pullover

Specifications are identical for the following other component:

C512 Sweater, Black Acrylic, Lightweight Commando Pullover

Sample Size: All dimensions are based on Male size L and Female size M

GENERAL DESCRIPTION

100% Piltrol Acrylic sweater is a pullover design with elbow patches, a V-neck opening and a sleeve emblem.

TYPE ITEMS: *--Male and Female

CLASSIFICATION	COE # (M/F)	NPS # (M/F)
*All Sweaters	*	*
A Black	C512	
B Green		N594

SALIENT CHARACTERISTICS

Components

- *-A **Basic Material:** The body of the sweater shall be constructed with a jersey stitch and a yarn count of 2/24 using a black 100% acrylic yarn treated with Piltrol to reduce piling.
- *-B **Basic Material:** The body of the sweater shall be constructed with a jersey stitch and a yarn count of 2/24 using a Forest Green 100% acrylic yarn treated with Piltrol to reduce piling.

General Instructions

- * **Front:** The front has taped shoulders using 3/16" cotton tape and has a nameplate holder located inside the right chest and a badge tab holder located inside the left chest. The bottom transfer shall be 3" wide and shall be a 1x1 rib with elastic.
- *-A **Trim:** Black neck trim shall be 100% Piltro Acrylic and finishes 1 3/8". The yarn count shall be 2/24 and shall be knitted as a 1x1 rib.
- *-B **Trim:** Forest Green neck trim shall be 100% Piltro Acrylic and finishes 1 3/8". The yarn count shall be 2/24 and shall be knitted as a 1x1 rib.
- *-A **Sleeves:** The long sleeve has a 5" wide transfer of a 1x1 rib with elastic. The U.S. Army Corps of Engineers emblem is sewn on the left sleeve with nylon matching thread 1 1/2" to 1 3/4" down from the shoulder seam depending on the garment size. Each sleeve has an elbow patch made of black 65% polyester/35% cotton 8.5 ounce twill set 2" above the ribbed cuff.
- *-B **Sleeves:** The long sleeve has a 5" wide transfer of a 1x1 rib with elastic. The U.S. National Park Service emblem is sewn on the left sleeve with nylon matching thread 1 1/2" to 1 3/4" down from the shoulder seam depending on the size. Each sleeve has an elbow patch made of Forest Green 65% polyester/35% cotton 8.5 ounces twill set 2" above the ribbed cuff.
- *-A **Badge Tab:** Inside reinforcement of black twill finishes approximately 1" wide by 2" long.
- *-B **Badge Tab:** Inside reinforcement of green twill finishes approximately 1" wide by 2" long.

ATTACHMENT B

- *-A **Nameplate:** Inside reinforcement strip of black twill finishes 1" wide and 2" long.
- *-B **Nameplate:** Inside reinforcement strip of Forest Green twill finishes 1" wide and 2" long.
- * **Emblems:** Official U.S. Army Corps of Engineers Emblem shall be attached on the left sleeve.
- * **Shirt Labeling:** See references and requirements section.

Sizes and Measurements

Finished Dimensions

Sizes: Male S-XXXL
 Female XS-XXL

ATTACHMENT B

N599 Hat, Cotton, Wide Brim Work

Sample Size: Medium

GENERAL DESCRIPTION

"Desert Storm" military storm style hat. Cotton cloth crushable wide brimmed hat. The color shall be similar to summer straw-hat (N301).

TYPE ITEMS: *--All Hats Type I—Male Type II—Female

CLASSIFICATION

* **All Hats**

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The material shall be cotton. Color that emulates the straw Stetson color. UV rating. Water repellent treatment; fade resistant.
- * **Crown:** The hat shall have a flat crown.
- * **Sides:** There shall be ventilation grommets on each side.
- * **Brim:** The hat shall have a 3 ½" brim.
- * **Sweatband:** The sweatband shall be lined cotton.
- * **Hatband:** The hatband shall be the same material as the hat in dark brown with "USNPS" embroidered in front and acorns embroidered on the sides (emulating the leather hatband used on the Stetsons). Dull gold embroidered sequoia cones on the left side are centered under the ventilation grommets and are set approximately 4 ¾" apart on medium size.
- * **Chinstrap:** Matching color chinstrap with light tan color leather slide.
- * **Label:** See general references and requirements sheet

ATTACHMENT B

N600 Shirt, Male, Grey 5.5 Oz. 65/35 P/C Twill, LS without Badge Tab

Specifications are identical for the following other components:

C421 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
N430 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
C422 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
N428 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
C427 Shirt, Male, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N432 Shirt, Male, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N431 Shirt, Male, Grey 5.5 Oz. 65/35 P/C Twill, SS, CC, without Badge Tab
C447 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
N456 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
C448 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
N454 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
C453 Shirt, Female, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N458 Shirt, Female, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N457 Shirt, Female, Grey 5.5 Oz. 65/35 P/C Twill, LS without Badge Tab
N601 Shirt, Female, Grey 5.5 Oz. 65/35 P/C Twill, SS, CC, without Badge Tab
N458 Shirt, Female, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab

Sample Size: Male-16x33, Female-36

GENERAL DESCRIPTION

The garment is form fitting with two pleated breast pockets with scalloped flaps and shoulder straps. The shirt has military creases, a pencil slot, and a shoulder emblem. Variations of this garment shall include male and female:

Long-vs-short sleeves (LS, SS)

Two-piece shirt collar-vs-convertible collar (2PC, CC)

TYPE ITEMS: * - All Items Type I - Male Items Type II - Female Items

CLASSIFICATION		COE # (M/F)	NPS # (M/F)
*	All Items	*	*
A	LS, 2 piece collar w BT, Trop	C421/C447	N430/N456
B	LS, 2 piece collar wo BT, Twill**	--	N600/N457
C	SS, CC, w BT, Trop	C422/C448	N428/N454
D	SS, CC, w BT, Pop**		

** see special note under **FRONT**

SALIENT CHARACTERISTICS

Components

Type-Class

***-A, C Basic Material:** The material shall be shade #51, Nickel Grey or equal 10 Oz. 65/35 polyester/rayon tropical weave matching standard sample.

***-D Basic Material:** The material shall be Nickel grey 4 Oz. 65/35 polyester/cotton poplin weave matching the standard sample.

ATTACHMENT B

- *-B, E **Basic Material:** The material shall be Grey 5.5 Oz. 65/35 polyester/combed cotton twill weave matching Milliken 2640-5598.
- * **Linings:** Shall have collar and yoke linings that are compatible with the construction of the shirts.
- * **Thread:** Sewing thread for all operations shall be cotton covered polyester, dyed to match shade of self material, and conforming to ticket numbers 50-2 ply or 50-3 ply.
- * **Buttons:** Buttons shall be first grade 19 ligne pearlescent plastic buttons and shall match the color of basic material.
- * **Collar Stays:** The collar stay shall be made of good quality vinyl, attached to the inside of the bottom collar leaf, and come out to the stitching line.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Cutting:** Collars, bands, pockets, and flaps shall be cut to ensure uniformity.
- * **Stitching:** A lockstitch (301) shall be used throughout, except inserting the sleeve and side closing operations, which shall be safety stitched (516). All topstitching shall be ¼" from edge. There shall be 10 to 14 stitches per inch required.
- I-A,B **Button Holes For Two-Piece Shirt Collar:** The shirt shall have 7 cut buttonholes down the front. For proper appearance with clip-on tie, the stand shall be fastened with one button so there shall be a tie space of ¼" when collar is buttoned. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.
- I-C,D,E **Button Holes For Convertible Collar:** The shirt shall have 7 cut buttonholes down the front left facing. The center of the first buttonhole shall be 5/8" from top edge at center front. The center of the second buttonhole on the left facing shall be 2 ½" from the bottom of the top buttonhole. The remaining buttonholes shall be spaced 3 ¾" apart. There shall be 1 cut buttonhole on each shoulder strap, 1 uncut buttonhole on each pocket flap, and 2 cut buttonholes on each cuff. A vertical cut buttonhole shall be sewn on the sleeve placket opening 2 ½" from the top of the cuff, centered on the top placket with a matching button centered on bottom placket.
- II-A, B **Button Holes For Two-Piece Shirt Collar:** The shirt shall have 6 cut buttonholes down the front. The center of the first buttonhole shall be placed on the collar band 1" from edge. The center of the second buttonhole which is on the center plait shall be 3 ¼" from the bottom of the collar. For proper appearance with clip-on tie, the stand shall be fastened with one button so there shall be a tie space of ¼" when collar is buttoned. The remaining buttonholes shall be spaced 3 ½" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.
- II-C,D,E **Button Holes For Convertible Collar:** The shirt shall have 6 cut buttonholes down the front right facing. The center of the first buttonhole shall be ½" from top edge at center front. The center of the second buttonhole on the right facing shall be 2 ½" from the bottom of the top buttonhole. The remaining buttonholes shall be spaced 3 ½" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.

ATTACHMENT B

Detail Design Characteristics

- I-A, B Two-Piece Shirt Collar:** The garment shall have a two piece shirt collar. The points on the collar leaf shall measure 3 ¼" in length and be topstitched ¼" from the edge. The collar leaf shall be 1 ¾" from roll line to bottom edge of collar at center back. The collar stand shall measure 1 5/16" at center back and be topstitched 1/16" from top and bottom edges. For proper appearance with clip on tie, the stand shall be fastened with one button so that there shall be a tie space of ¼" when the collar is buttoned. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- II-A, B Two-Piece Shirt Collar:** The garment shall have a two piece shirt collar. The points on the collar leaf shall measure 2 7/8" in length and be topstitched ¼" from the edge. The collar leaf shall be 1 ½" from roll line to bottom edge of collar at center back. The collar stand shall measure 1 5/16" at center back and be topstitched 1/16" from top and bottom edges. For proper appearance with clip on tie, the stand shall be fastened with one button so that there shall be a tie space of ¼" when the collar is buttoned. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- I-C,D,E Convertible Collar:** The garment shall have a one piece convertible collar. The points on the collar shall measure 3 ¼" in length, 3 ¼" at center back, and be topstitched ¼" from the edge. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- II-C,D,E Convertible Collar:** The garment shall have a one-piece convertible collar. The points on the collar shall measure 2 7/8" in length, 2 7/8" at center back, and be topstitched ¼" from the edge. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- I-A,C,D Shoulder Straps:** Shoulder straps shall be 2" at sleeve head and tapered to 1 ¾"-1 ½". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends.
- I-B, E Shoulder Straps:** Shoulder straps shall be 2" at sleeve head and tapered to 1 ¾"-1 ½". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends. **The shoulder straps shall be sewn down around the edges.**
- II-A,C,D Shoulder Straps:** Shoulder straps shall be 1 5/8" at sleeve head and tapered to 1 3/8"-1 ¼". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends.
- II-B, E Shoulder Straps:** Shoulder straps shall be 1 5/8" at sleeve head and tapered to 1 3/8"-1 ¼". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends. **The shoulder straps shall be sewn down around the edges.**

ATTACHMENT B

- I-A,B Front for Two-Piece Shirt Collar:** Each front shall have a facing 2 ½" in width extending from the neckline to the bottom of the shirt, and provided by a turn under of material. The left front shall contain 6 vertical buttonholes placed ¾" from the edge of the plait and be 3 ½" apart. There shall be one button on the collar stand placed ¾" from edge. The button stand shall be 7/8" wide and be placed on the left side of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-B **Add 2" to shirt length.**
- II-A, B Front for Two-Piece Shirt Collar:** Each front shall have a facing 2 ½" in width extending from the neckline to the bottom of the shirt, and provided by a turn under of material. The right front shall contain 6 vertical buttonholes placed ¾" from the edge of the plait and be 3 ½" apart. There shall be one button on the collar stand placed ¾" from edge. The button stand shall be 7/8" wide and be placed on the right side of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-B **Add 2" to shirt length.**
- II-C,D,E Front for Convertible Collar:** Each front shall have a 3" facing provided by a turn under of material. The facings shall extend from the neckline to the bottom of the shirt. The left front shall contain 7 vertical cut buttonholes placed ¾" from the edge. The center of the first buttonhole shall be 5/8" from the top edge at center front. The second buttonhole shall be positioned 2 ½" from the top button with remaining buttonholes spaced 3 ¾" apart. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-D, E **Add 2" to shirt length.**
- II-C,D,E Front for Convertible Collar:** Each front shall have a ½" facing provided by a turn under of material. The facings shall extend from the neckline to the bottom of the shirt. The right front shall contain 6 vertical buttonholes placed ¾" from the edge. The center of the first buttonhole shall be ½" from the top edge center front. The second buttonhole shall be positioned 2 ½" from the top button with remaining buttonholes spaced 3 ½" apart. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- II-D, E **Add 2" to shirt length.**
- *-A,C,D Badge Reinforcement:** The shirt shall have a 1" wide inside sling type badge holder extending from the shoulder joining seam to pocket of the left front and constructed of the basic material. Two small, uncut buttonholes shall be 1 1/8" apart with the lower buttonhole approximately 1 ¼" above top of left pocket flap.
- * Pocket Flaps:** There shall be two deep scalloped flaps, 5 7/8" wide, 2 ¼" at sides, and 2 ¾" at center. There shall be a 1 ½" pencil opening through the left flap and a vertical uncut buttonhole in the center of the flap with a button sewn on top of the buttonhole. The flaps shall be topstitched 1/8" from edge and attached to the shirt front with a double row, ¼" gauge stitching. The underside of the flap shall have hook and pile tape, approximately 1" long by 3/8" wide, positioned on outer points of both pocket flaps.
- * Pockets:** Both pockets shall have 1 ½" centered pleats stitched to prevent spreading. Pockets shall be 5 ½" wide x 5 ¾" deep with bottom mitered corners. The left pocket shall have a pencil slot 1 ½" from center edge. Upper hem shall be ½" wide. Pockets shall be topstitched 1/16" gauge with ¾" triangle tacks at upper corners. Both pockets shall have an approximately 1" long by 3/8" wide piece of hook and pile tape positioned to correspond with the hook and pile tape on each outer scalloped flap point.

ATTACHMENT B

- I-*** **Yoke & Back:** The yoke shall be constructed of two pieces. The outside yoke shall be made of the same fabric as the outer shell of the garment and the inside yoke shall be made of the lining fabric. The yoke shall be 3 ½” at center back and 3 ¾” at armhole.
- II-*** **Yoke & Back:** The yoke shall be constructed of two pieces. The outside yoke shall be made of the same fabric as the outer shell of the garment and the inside yoke shall be made of the lining fabric. The yoke shall be 3 ½” at center back and 3 ¾” at armhole.
- I-A, B** **Long Sleeves:** Each sleeve shall have a 5” long sleeve placket with a 1” wide top placket and a ½” wide bottom placket. The sleeve placket is 5” long with top and bottom facings. A vertical buttonhole shall be sewn 2 ½” from top of cuff centered on top placket with matching button centered on bottom.
- Cuffs:** Cuffs shall be 2 ¾” in depth with rounded corners ¼” topstitching at bottom and double stitched 3/8” gauge topstitching where cuff joins sleeve. Two horizontal buttons with corresponding horizontal buttonhole shall be centered on each cuff 1 ¼” apart.
- II-A, B** **Long Sleeves:** Each sleeve shall have a 5” long sleeve placket with a 1” wide top placket and a ½” wide bottom placket. The sleeve is 5” long with top and bottom facings. A vertical buttonhole shall be sewn 2 ½” from top of cuff centered on top placket with matching button centered on bottom.
- Cuffs:** Cuffs shall be 2 ½” in depth with rounded corners ¼” topstitching at bottom and double stitched 3/8” gauge topstitching where cuff joins sleeve. Two horizontal buttons with corresponding horizontal buttonhole shall be centered on each cuff 1” apart.
- *-C,D,E** **Short Sleeves:** The sleeve shall be approximately 9” long from the shoulder seam. There shall be a ¾” hem turned to the inside with the folded edge topstitched 1/16” from the upper folded edge. The bottom edge of the sleeve closing seam shall bartacked within 1/8” of the lower edge.
- *** **Bottoms:** A ¼” rolled hem at the bottom of the garment is preferred.
- *-A,C,D** **Military Creases:** There shall be five 1/16” sharp military creases on the shirt. There shall be one crease on each front, centered vertically through pocket and flap. Spacing for military creases on shirt back shall be proportionate to the size of the shirt. For lightweight fabric (4 to 6 ounces) creases must be stitched in; for heavy fabrics (10 ounce) stitches shall be baked in.
- *** **Patch:** The organizations shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 1 ¼ to 1 ½” below the shoulder seam depending on the garment size. The patch shall be sewn with matching thread and attached so that the edges do not roll-up after washing.

ATTACHMENT B

Sizes and Measurements

I-A, B	Sizes:	<u>Neck</u>	<u>Sleeve</u>
		14	31-33
		14.5	31-34
		15	31-35
		15.5	31-36
		16	31-36
		16.5	31-36
		17	31-37
		17.5	31-37
		18	31-36
		18.5	33-37
		19	33-36
		20	33-36
		21	33-36
		22	33-36

I-C,D,E **Sizes:** S-4XL

II-A,B	Sizes:	<u>Bust Size</u>	<u>Sleeve</u> (R-Regular, L-Long—L=sleeve length + 1”)
		28	30 R
		30	30 R&L
		32	30 R&L
		34	30 R&L
		36	31 R&L
		38	31 R&L
		40	32 R&L
		42	33 R&L
		44	33 R&L
		46	33 R&L
		48	33 R&L
		50	33 R&L

II-C,D,E **Sizes:** 28-50 in even sizes only.

* **Pressing and Finishing:** Component parts shall be pressed on hot head machines; finished shirt shall be pressed and folded using jet clips or non-corrosive fasteners.

ATTACHMENT B

N601 Shirt, Female, Grey 5.5 Oz. 65/35 P/C Twill, SS, CC, without Badge Tab

Specifications are identical for the following other components:

C421 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
N430 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
C422 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
N428 Shirt, Male, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
C427 Shirt, Male, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N432 Shirt, Male, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N600 Shirt, Male, Grey 5.5 Oz. 65/35 P/C Twill, LS without Badge Tab
N431 Shirt, Male, Grey 5.5 Oz. 65/35 P/C Twill, SS, CC, without Badge Tab
C447 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
N456 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, LS with Badge Tab
C448 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
N454 Shirt, Female, Grey 10 Oz. 65/35 P/R Tropical, SS, CC with Badge Tab
C453 Shirt, Female, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N458 Shirt, Female, Grey 4.25 Oz. 65/35 P/C Poplin, SS, CC with Badge Tab
N457 Shirt, Female, Grey 5.5 Oz. 65/35 P/C Twill, LS without Badge Tab

Sample Size: Male-16x33, Female-36

GENERAL DESCRIPTION

The garment is form fitting with two pleated breast pockets with scalloped flaps and shoulder straps. The shirt has military creases, a pencil slot, and a shoulder emblem. Variations of this garment shall include male and female:

Long-vs-short sleeves (LS, SS)

Two-piece shirt collar-vs-convertible collar (2PC, CC)

TYPE ITEMS: * - All Items		Type I - Male Items	Type II - Female Items
CLASSIFICATION		COE # (M/F)	NPS # (M/F)
*	All Items	*	*
A	LS, 2 piece collar w BT, Trop	C421/C447	N430/N456
B	LS, 2 piece collar wo BT, Twill**	--	N600/N457
C	SS, CC, w BT, Trop	C422/C448	N428/N454
D	SS, CC, w BT, Pop**		

** see special note under **FRONT**

SALIENT CHARACTERISTICS

Components

Type-Class

*-A, C **Basic Material:** The material shall be shade #51, Nickel Grey or equal 10 Oz. 65/35 polyester/rayon tropical weave matching standard sample.

*-D **Basic Material:** The material shall be Nickel grey 4 Oz. 65/35 polyester/cotton poplin weave matching the standard sample.

ATTACHMENT B

- *-B, E **Basic Material:** The material shall be Grey 5.5 Oz. 65/35 polyester/combed cotton twill weave matching Milliken 2640-5598.
- * **Linings:** Shall have collar and yoke linings that are compatible with the construction of the shirts.
- * **Thread:** Sewing thread for all operations shall be cotton covered polyester, dyed to match shade of self material, and conforming to ticket numbers 50-2 ply or 50-3 ply.
- * **Buttons:** Buttons shall be first grade 19 ligne pearlescent plastic buttons and shall match the color of basic material.
- * **Collar Stays:** The collar stay shall be made of good quality vinyl, attached to the inside of the bottom collar leaf, and come out to the stitching line.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Cutting:** Collars, bands, pockets, and flaps shall be cut to ensure uniformity.
- * **Stitching:** A lockstitch (301) shall be used throughout, except inserting the sleeve and side closing operations, which shall be safety stitched (516). All topstitching shall be ¼" from edge. There shall be 10 to 14 stitches per inch required.
- I-A,B **Button Holes For Two-Piece Shirt Collar:** The shirt shall have 7 cut buttonholes down the front. For proper appearance with clip-on tie, the stand shall be fastened with one button so there shall be a tie space of ¼" when collar is buttoned. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.
- I-C,D,E **Button Holes For Convertible Collar:** The shirt shall have 7 cut buttonholes down the front left facing. The center of the first buttonhole shall be 5/8" from top edge at center front. The center of the second buttonhole on the left facing shall be 2 ½" from the bottom of the top buttonhole. The remaining buttonholes shall be spaced 3 ¾" apart. There shall be 1 cut buttonhole on each shoulder strap, 1 uncut buttonhole on each pocket flap, and 2 cut buttonholes on each cuff. A vertical cut buttonhole shall be sewn on the sleeve placket opening 2 ½" from the top of the cuff, centered on the top placket with a matching button centered on bottom placket.
- II-A, B **Button Holes For Two-Piece Shirt Collar:** The shirt shall have 6 cut buttonholes down the front. The center of the first buttonhole shall be placed on the collar band 1" from edge. The center of the second buttonhole which is on the center plait shall be 3 ¼" from the bottom of the collar. For proper appearance with clip-on tie, the stand shall be fastened with one button so there shall be a tie space of ¼" when collar is buttoned. The remaining buttonholes shall be spaced 3 ½" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.
- II-C,D,E **Button Holes For Convertible Collar:** The shirt shall have 6 cut buttonholes down the front right facing. The center of the first buttonhole shall be ½" from top edge at center front. The center of the second buttonhole on the right facing shall be 2 ½" from the bottom of the top buttonhole. The remaining buttonholes shall be spaced 3 ½" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.

ATTACHMENT B

Detail Design Characteristics

- I-A, B Two-Piece Shirt Collar:** The garment shall have a two piece shirt collar. The points on the collar leaf shall measure 3 ¼" in length and be topstitched ¼" from the edge. The collar leaf shall be 1 ¾" from roll line to bottom edge of collar at center back. The collar stand shall measure 1 5/16" at center back and be topstitched 1/16" from top and bottom edges. For proper appearance with clip on tie, the stand shall be fastened with one button so that there shall be a tie space of ¼" when the collar is buttoned. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- II-A, B Two-Piece Shirt Collar:** The garment shall have a two piece shirt collar. The points on the collar leaf shall measure 2 7/8" in length and be topstitched ¼" from the edge. The collar leaf shall be 1 ½" from roll line to bottom edge of collar at center back. The collar stand shall measure 1 5/16" at center back and be topstitched 1/16" from top and bottom edges. For proper appearance with clip on tie, the stand shall be fastened with one button so that there shall be a tie space of ¼" when the collar is buttoned. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- I-C,D,E Convertible Collar:** The garment shall have a one piece convertible collar. The points on the collar shall measure 3 ¼" in length, 3 ¼" at center back, and be topstitched ¼" from the edge. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- II-C,D,E Convertible Collar:** The garment shall have a one-piece convertible collar. The points on the collar shall measure 2 7/8" in length, 2 7/8" at center back, and be topstitched ¼" from the edge. The collar's interlining shall be a permanent press finish of 250 weight or equal.
- I-A,C,D Shoulder Straps:** Shoulder straps shall be 2" at sleeve head and tapered to 1 ¾"-1 ½". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends.
- I-B, E Shoulder Straps:** Shoulder straps shall be 2" at sleeve head and tapered to 1 ¾"-1 ½". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends. **The shoulder straps shall be sewn down around the edges.**
- II-A,C,D Shoulder Straps:** Shoulder straps shall be 1 5/8" at sleeve head and tapered to 1 3/8"-1 ¼". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends.
- II-B, E Shoulder Straps:** Shoulder straps shall be 1 5/8" at sleeve head and tapered to 1 3/8"-1 ¼". The straps shall be stitched to the shoulder by a single needle machine forming an "X" beginning at the sleeve head and extending for approximately one-half the length of the strap. Length of straps shall be graduated conforming to size of shirt and set not more than ½" from folded collar. Buttons attached to yokes shall match shoulder strap buttonholes at pointed ends. **The shoulder straps shall be sewn down around the edges.**

ATTACHMENT B

- I-A,B Front for Two-Piece Shirt Collar:** Each front shall have a facing 2 ½" in width extending from the neckline to the bottom of the shirt, and provided by a turn under of material. The left front shall contain 6 vertical buttonholes placed ¾" from the edge of the plait and be 3 ½" apart. There shall be one button on the collar stand placed ¾" from edge. The button stand shall be 7/8" wide and be placed on the left side of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-B **Add 2" to shirt length.**
- II-A, B Front for Two-Piece Shirt Collar:** Each front shall have a facing 2 ½" in width extending from the neckline to the bottom of the shirt, and provided by a turn under of material. The right front shall contain 6 vertical buttonholes placed ¾" from the edge of the plait and be 3 ½" apart. There shall be one button on the collar stand placed ¾" from edge. The button stand shall be 7/8" wide and be placed on the right side of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-B **Add 2" to shirt length.**
- II-C,D,E Front for Convertible Collar:** Each front shall have a 3" facing provided by a turn under of material. The facings shall extend from the neckline to the bottom of the shirt. The left front shall contain 7 vertical cut buttonholes placed ¾" from the edge. The center of the first buttonhole shall be 5/8" from the top edge at center front. The second buttonhole shall be positioned 2 ½" from the top button with remaining buttonholes spaced 3 ¾" apart. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- I-D, E **Add 2" to shirt length.**
- II-C,D,E Front for Convertible Collar:** Each front shall have a ½" facing provided by a turn under of material. The facings shall extend from the neckline to the bottom of the shirt. The right front shall contain 6 vertical buttonholes placed ¾" from the edge. The center of the first buttonhole shall be ½" from the top edge center front. The second buttonhole shall be positioned 2 ½" from the top button with remaining buttonholes spaced 3 ½" apart. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the facing.
- II-D, E **Add 2" to shirt length.**
- *-A,C,D Badge Reinforcement:** The shirt shall have a 1" wide inside sling type badge holder extending from the shoulder joining seam to pocket of the left front and constructed of the basic material. Two small, uncut buttonholes shall be 1 1/8" apart with the lower buttonhole approximately 1 ¼" above top of left pocket flap.
- * Pocket Flaps:** There shall be two deep scalloped flaps, 5 7/8" wide, 2 ¼" at sides, and 2 ¾" at center. There shall be a 1 ½" pencil opening through the left flap and a vertical uncut buttonhole in the center of the flap with a button sewn on top of the buttonhole. The flaps shall be topstitched 1/8" from edge and attached to the shirt front with a double row, ¼" gauge stitching. The underside of the flap shall have hook and pile tape, approximately 1" long by 3/8" wide, positioned on outer points of both pocket flaps.
- * Pockets:** Both pockets shall have 1 ½" centered pleats stitched to prevent spreading. Pockets shall be 5 ½" wide x 5 ¾" deep with bottom mitered corners. The left pocket shall have a pencil slot 1 ½" from center edge. Upper hem shall be ½" wide. Pockets shall be topstitched 1/16" gauge with ¾" triangle tacks at upper corners. Both pockets shall have an approximately 1" long by 3/8" wide piece of hook and pile tape positioned to correspond with the hook and pile tape on each outer scalloped flap point.

ATTACHMENT B

- I-*** **Yoke & Back:** The yoke shall be constructed of two pieces. The outside yoke shall be made of the same fabric as the outer shell of the garment and the inside yoke shall be made of the lining fabric. The yoke shall be 3 ½" at center back and 3 ¾" at armhole.
- II-*** **Yoke & Back:** The yoke shall be constructed of two pieces. The outside yoke shall be made of the same fabric as the outer shell of the garment and the inside yoke shall be made of the lining fabric. The yoke shall be 3 ½" at center back and 3 ¾" at armhole.
- I-A, B** **Long Sleeves:** Each sleeve shall have a 5" long sleeve placket with a 1" wide top placket and a ½" wide bottom placket. The sleeve placket is 5" long with top and bottom facings. A vertical buttonhole shall be sewn 2 ½" from top of cuff centered on top placket with matching button centered on bottom.
- Cuffs:** Cuffs shall be 2 ¾" in depth with rounded corners ¼" topstitching at bottom and double stitched 3/8" gauge topstitching where cuff joins sleeve. Two horizontal buttons with corresponding horizontal buttonhole shall be centered on each cuff 1 ¼" apart.
- II-A, B** **Long Sleeves:** Each sleeve shall have a 5" long sleeve placket with a 1" wide top placket and a ½" wide bottom placket. The sleeve is 5" long with top and bottom facings. A vertical buttonhole shall be sewn 2 ½" from top of cuff centered on top placket with matching button centered on bottom.
- Cuffs:** Cuffs shall be 2 ½" in depth with rounded corners ¼" topstitching at bottom and double stitched 3/8" gauge topstitching where cuff joins sleeve. Two horizontal buttons with corresponding horizontal buttonhole shall be centered on each cuff 1" apart.
- *-C,D,E** **Short Sleeves:** The sleeve shall be approximately 9" long from the shoulder seam. There shall be a ¾" hem turned to the inside with the folded edge topstitched 1/16" from the upper folded edge. The bottom edge of the sleeve closing seam shall bartacked within 1/8" of the lower edge.
- *** **Bottoms:** A ¼" rolled hem at the bottom of the garment is preferred.
- *-A,C,D** **Military Creases:** There shall be five 1/16" sharp military creases on the shirt. There shall be one crease on each front, centered vertically through pocket and flap. Spacing for military creases on shirt back shall be proportionate to the size of the shirt. For lightweight fabric (4 to 6 ounces) creases must be stitched in; for heavy fabrics (10 ounce) stitches shall be baked in.
- *** **Patch:** The organizations shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 1 ¼ to 1 ½" below the shoulder seam depending on the garment size. The patch shall be sewn with matching thread and attached so that the edges do not roll-up after washing.

ATTACHMENT B

Sizes and Measurements

I-A, B	Sizes:	<u>Neck</u>	<u>Sleeve</u>
		14	31-33
		14.5	31-34
		15	31-35
		15.5	31-36
		16	31-36
		16.5	31-36
		17	31-37
		17.5	31-37
		18	31-36
		18.5	33-37
		19	33-36
		20	33-36
		21	33-36
		22	33-36

I-C,D,E **Sizes:** S-4XL

II-A,B	Sizes:	<u>Bust Size</u>	<u>Sleeve</u> (R-Regular, L-Long—L=sleeve length + 1”)
		28	30 R
		30	30 R&L
		32	30 R&L
		34	30 R&L
		36	31 R&L
		38	31 R&L
		40	32 R&L
		42	33 R&L
		44	33 R&L
		46	33 R&L
		48	33 R&L
		50	33 R&L

II-C,D,E **Sizes:** 28-50 in even sizes only.

* **Pressing and Finishing:** Component parts shall be pressed on hot head machines; finished shirt shall be pressed and folded using jet clips or non-corrosive fasteners.

ATTACHMENT B

N604 Cap, Ball, Green Mesh, Summer

Specifications are identical for the following other components:

C602 Cap, Ball, Green Mesh, Summer
F606 Cap, Ball, Brown Mesh, Summer
F252 Cap, Ball, Blue Mesh, Volunteer
C603 Cap, Ball, Green Twill, Winter
N605 Cap, Ball, Green Twill, Winter
F607 Cap, Ball, Brown Twill, Winter
F256 Cap, Ball, Blue Twill, Volunteer

Sample Size: Regular

GENERAL DESCRIPTION

Enclosed baseball style cap with six piece crown contour shape and direct embroidery.

TYPE ITEMS: *--All Caps

CLASSIFICATION		COE Spec #	NPS Spec #
*	All Caps	*	*
A	Mesh, Green	C602	N604
B	Twill, Green	C603	N605
		FWS Spec #	
*	All Caps	*	
C	Mesh, Brown	F606	
D	Twill, Brown	F607	
E	Mesh, Blue	F252	
F	Twill, Blue	F256	

SALIENT CHARACTERISTICS

Components

- A **Basic Material:** The two front crown sections and upper visor sections shall be made from Forest Green Chetopa IV material. Black is the preferred color of the under visor section. The four side and back crown sections shall be made from 100% nylon mesh to match material of front crown section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40denier fabric.
- C **Basic Material:** The two front crown sections and upper visor sections shall be made from Chetopa IV brown material. Black is the preferred color of the under visor section. The four side and back crown sections shall be made from 100% nylon mesh to match material of front crown section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40denier fabric.
- E **Basic Material:** The two front crown sections and upper visor sections shall be made from Chetopa IV blue material. Black is the preferred color of the under visor section. The four side and back crown sections shall be made from 100% nylon mesh to match material of front crown section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40denier fabric.

ATTACHMENT B

- B **Basic Material:** The six crown sections and visor sections shall be made from Forest Green Chetopa IV material. Black is the preferred color of the under visor section. The visor interliner shall be a sheet stock of .080" high density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40 denier fabric.
- D **Basic Material:** The six crown sections and visor sections shall be made from Chetopa IV brown material. Black is the preferred color of the under visor section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40 denier fabric.
- F **Basic Material:** The six crown sections and visor sections shall be made from Chetopa IV blue material. Black is the preferred color of the under visor section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40 denier fabric.
- * **Front Panel:** The front panel shall be constructed of two pieces backed with a fusible monofilament fabric. The panels jointly shall be 8" wide and 6 7/8" high at the center.
- * **Visor:** The visor and visor lining shall be the same Chetopa IV fabric interlined with a visor stiffener and sewn with parallel rows of lock stitching that follow the contour of the visor. The visor shall finish smooth without twists or puckers.
- * **Sweatband:** The black twill sweatband shall finish a minimum of 1" wide. The sweatband shall not pucker, curve, arc, buckle or twist.
- * **Crown:** The crown pieces shall be sewn together, the seam allowance pressed flat, then sewn down the 5/8" tape with stitch type 301 or 401. The crown shall have a sewn in stabilizing strip with a horizontal stitch 3/16" above the visor. A topstitch shall be sewn at the base of the crown on the front two panels.
- * **Closing Seams:** The visor and sweatband shall be sewn to the crown with type 301 stitch and the sweatband shall finish smooth and be flat against inside of cap. A button covered with basic material, size 22 ligne, shall be set into the crown at the junction of the six crown pieces. Each of the six panels shall have one sewn eyelet hole.
- * **Rear Outlet:** The rear outlet cut shall be folded under and taped down.
- A,C,E **Backstrap:** The backstrap shall be either matching green, brown, blue (or black) plastic and shall be sewn into the bottom of the left and right rear panel.
- B,D,F **Backstrap:** The backstrap shall be leather with brass buckle and shall be sewn into the bottom of the left and right rear panel.
- B,D,F **Direct Embroidery:** The Organizations' logo shall be direct embroidered onto the front panel in the center. The wording and embroidery on the front panel shall be machine embroidered on embroidery machines with automats, and shall not be produced on multhead equipment.

Thread color names and numbers are the applicable standard sample for shade and are contained in the DOD Standard Color Card of Official Standardized Shades for Heraldic Yarns for Embroidery and Ribbons. The Color Card is obtainable from the Color Card Association of the United States, Inc., 343 Lexington Avenue, New York, New York 10016.

ATTACHMENT B

Thread shall be rayon yarn, finest quality, and colorfast, in the deniers specified.

Stitch scale shall be of sufficient density as to preclude the “bleeding” (or see through) of the background material, and uneven matting (register) of color elements. There shall be sufficient underlay stitching to give a full three-dimensional, high relief appearance to the embroidery. No stitch may be greater than ten millimeters in length.

- F **Embroidery Details:** The U.S. FISH & WILDLIFE SERVICE VOLUNTEER logo shall be direct embroidered onto the center front of the cap.

Thread colors and deniers, along with the necessary number of color changes are identified as follows, and shall closely match the following Heraldic yarn color shades:

Description	Cable Name	Cable No.	Poly
Visor Gold FD 008	Goldenlight HC	67107	90/2
Yellow FD B79	N/A	N/A	90/2
Process Blue FD 48	N/A	N/A	90/2
Amberlite FD B65	BuffHAK	67135	90/2
Light Buff FD 125	M.L. Antique White HAL	67139	90/2
Tan FD 118	N/A	N/A	90/2
Imperial Blue FD B4	Corsaire Blue HCB	67177	90/2

Thread shall be polyester yarn, finest quality, and colorfast, in the deniers specified.

Stitch scale shall be of sufficient density as to preclude the “bleeding” (or see through) of the background material, and uneven matting (register) of color elements. There shall be sufficient underlay stitching to give a full three-dimensional, high relief appearance to the embroidery. No stitch may be greater than ten millimeters in length.

Double thread or any thread of different deniers or plys shall not be permitted in any part of the embroidery. Single thread stitching in the deniers and plys above shall be used throughout.

- * **Thread:** The thread shall be polyester, size 40 or cotton-covered polyester, size 50 color dyed to match basic material except the direct embroidery threads which shall conform to the sample specifications.
- * **Stitches Per Inch:** The stitches per inch shall be 7-9 for all cap operations except 5 stitches per inch on the visor.
- * **Sizes :** Regular and Extra Large

ATTACHMENT B

N605 Cap, Ball, Green Twill, Winter

Specifications are identical for the following other components:

C602 Cap, Ball, Green Mesh, Summer
N604 Cap, Ball, Green Mesh, Summer
F606 Cap, Ball, Brown Mesh, Summer
F252 Cap, Ball, Blue Mesh, Volunteer
C603 Cap, Ball, Green Twill, Winter
F607 Cap, Ball, Brown Twill, Winter
F256 Cap, Ball, Blue Twill, Volunteer

Sample Size: Regular

GENERAL DESCRIPTION

Enclosed baseball style cap with six piece crown contour shape and direct embroidery.

TYPE ITEMS: *--All Caps

CLASSIFICATION		COE Spec #	NPS Spec #
*	All Caps	*	*
A	Mesh, Green	C602	N604
B	Twill, Green	C603	N605
		FWS Spec #	
*	All Caps	*	
C	Mesh, Brown	F606	
D	Twill, Brown	F607	
E	Mesh, Blue	F252	
F	Twill, Blue	F256	

SALIENT CHARACTERISTICS

Components

- A Basic Material:** The two front crown sections and upper visor sections shall be made from Forest Green Chetopa IV material. Black is the preferred color of the under visor section. The four side and back crown sections shall be made from 100% nylon mesh to match material of front crown section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40denier fabric.
- C Basic Material:** The two front crown sections and upper visor sections shall be made from Chetopa IV brown material. Black is the preferred color of the under visor section. The four side and back crown sections shall be made from 100% nylon mesh to match material of front crown section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40denier fabric.

ATTACHMENT B

- E **Basic Material:** The two front crown sections and upper visor sections shall be made from Chetopa IV blue material. Black is the preferred color of the under visor section. The four side and back crown sections shall be made from 100% nylon mesh to match material of front crown section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40denier fabric.
- B **Basic Material:** The six crown sections and visor sections shall be made from Forest Green Chetopa IV material. Black is the preferred color of the under visor section. The visor interliner shall be a sheet stock of .080" high density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40 denier fabric.
- D **Basic Material:** The six crown sections and visor sections shall be made from Chetopa IV brown material. Black is the preferred color of the under visor section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40 denier fabric.
- F **Basic Material:** The six crown sections and visor sections shall be made from Chetopa IV blue material. Black is the preferred color of the under visor section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40 denier fabric.
- * **Front Panel:** The front panel shall be constructed of two pieces backed with a fusible monofilament fabric. The panels jointly shall be 8" wide and 6 7/8" high at the center.
- * **Visor:** The visor and visor lining shall be the same Chetopa IV fabric interlined with a visor stiffener and sewn with parallel rows of lock stitching that follow the contour of the visor. The visor shall finish smooth without twists or puckers.
- * **Sweatband:** The black twill sweatband shall finish a minimum of 1" wide. The sweatband shall not pucker, curve, arc, buckle or twist.
- * **Crown:** The crown pieces shall be sewn together, the seam allowance pressed flat, then sewn down the 5/8" tape with stitch type 301 or 401. The crown shall have a sewn in stabilizing strip with a horizontal stitch 3/16" above the visor. A topstitch shall be sewn at the base of the crown on the front two panels.
- * **Closing Seams:** The visor and sweatband shall be sewn to the crown with type 301 stitch and the sweatband shall finish smooth and be flat against inside of cap. A button covered with basic material, size 22 ligne, shall be set into the crown at the junction of the six crown pieces. Each of the six panels shall have one sewn eyelet hole.
- * **Rear Outlet:** The rear outlet cut shall be folded under and taped down.
- A,C,E **Backstrap:** The backstrap shall be either matching green, brown, blue (or black) plastic and shall be sewn into the bottom of the left and right rear panel.
- B,D,F **Backstrap:** The backstrap shall be leather with brass buckle and shall be sewn into the bottom of the left and right rear panel.
- B,D,F **Direct Embroidery:** The Organizations' logo shall be direct embroidered onto the front panel in the center. The wording and embroidery on the front panel shall be machine embroidered on embroidery machines with automats, and shall not be produced on multhead equipment.

ATTACHMENT B

Thread color names and numbers are the applicable standard sample for shade and are contained in the DOD Standard Color Card of Official Standardized Shades for Heraldic Yarns for Embroidery and Ribbons. The Color Card is obtainable from the Color Card Association of the United States, Inc., 343 Lexington Avenue, New York, New York 10016.

Thread shall be rayon yarn, finest quality, and colorfast, in the deniers specified.

Stitch scale shall be of sufficient density as to preclude the “bleeding” (or see through) of the background material, and uneven matting (register) of color elements. There shall be sufficient underlay stitching to give a full three-dimensional, high relief appearance to the embroidery. No stitch may be greater than ten millimeters in length.

- F **Embroidery Details:** The U.S. FISH & WILDLIFE SERVICE VOLUNTEER logo shall be direct embroidered onto the center front of the cap.

Thread colors and deniers, along with the necessary number of color changes are identified as follows, and shall closely match the following Heraldic yarn color shades:

Description	Cable Name	Cable No.	Poly
Visor Gold FD 008	Goldenlight HC	67107	90/2
Yellow FD B79	N/A	N/A	90/2
Process Blue FD 48	N/A	N/A	90/2
Amberlite FD B65	BuffHAK	67135	90/2
Light Buff FD 125	M.L. Antique White HAL	67139	90/2
Tan FD 118	N/A	N/A	90/2
Imperial Blue FD B4	Corsaire Blue HCB	67177	90/2

Thread shall be polyester yarn, finest quality, and colorfast, in the deniers specified.

Stitch scale shall be of sufficient density as to preclude the “bleeding” (or see through) of the background material, and uneven matting (register) of color elements. There shall be sufficient underlay stitching to give a full three-dimensional, high relief appearance to the embroidery. No stitch may be greater than ten millimeters in length.

Double thread or any thread of different deniers or plys shall not be permitted in any part of the embroidery. Single thread stitching in the deniers and plys above shall be used throughout.

- * **Thread:** The thread shall be polyester, size 40 or cotton-covered polyester, size 50 color dyed to match basic material except the direct embroidery threads which shall conform to the sample specifications.
- * **Stitches Per Inch:** The stitches per inch shall be 7-9 for all cap operations except 5 stitches per inch on the visor.
- * **Sizes :** Regular and Extra Large

ATTACHMENT B

N610 Boots, Male's Lightweight Hiking

Specifications are identical for the following component:

N611 Boots, Female's Lightweight Hiking

Sample Size: TBD

GENERAL DESCRIPTION

Lightweight hiking boot in midnight brown or cordovan.

TYPE ITEMS *--All Boots I—Male II—Female

CLASSIFICATION

* - All Boots

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Upper:** Highly polished leather construction. Tough, lightweight Cordura nylon. Durable, flexible waterproof leather that ventilates and protects the foot.
- * **Closure:** Comfortable full bellows gusset contours to the instep providing convenient access while keeping debris out.
- * **Collar:** Padded scooped collar that fits comfortably around the ankle and leg. High enough for ankle support, but does not bind on forward movement of the foot.
- * **Welt:** Goodyear welt construction.
- * **Hardware:** Rugged and durable eyelets with hooks or eyelets on top one to two positions.
- * **Midsole:** Polyurethane midsole contoured to the foot to minimize foot roll while cushioning against body weight impact and stone bruises.
- * **Sole:** Outsole uses improved rubber compounds for slip resistance and a lug pattern to control slippage. The lugs shall be positioned to maximize traction on uphill, downhill and side hill terrain.
- * **Closure:** Comfortable full bellows gusset contours to the instep providing convenient access while keeping debris out.
- * **Lining:** Cushioned lining shall provide a smooth, comfortable feel. Wicks moisture away from the foot and dries quickly.

Sizes and Measurements

Finished Dimensions:

I-* **Sizes:** Medium: 7-12 in half sizes, 13, 14

II-* **Sizes:** Medium: 5-10 in half sizes, 11, 12

ATTACHMENT B

N611 Boots, Female's Lightweight Hiking

Specifications are identical for the following component:

N610 Boots, Male's Lightweight Hiking

Sample Size: TBD

GENERAL DESCRIPTION

Lightweight hiking boot in midnight brown or cordovan.

TYPE ITEMS *--All Boots I—Male II—Female

CLASSIFICATION

* - All Boots

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Upper:** Highly polished leather construction. Tough, lightweight Cordura nylon. Durable, flexible waterproof leather that ventilates and protects the foot.
- * **Closure:** Comfortable full bellows gusset contours to the instep providing convenient access while keeping debris out.
- * **Collar:** Padded scooped collar that fits comfortably around the ankle and leg. High enough for ankle support, but does not bind on forward movement of the foot.
- * **Welt:** Goodyear welt construction.
- * **Hardware:** Rugged and durable eyelets with hooks or eyelets on top one to two positions.
- * **Midsole:** Polyurethane midsole contoured to the foot to minimize foot roll while cushioning against body weight impact and stone bruises.
- * **Sole:** Outsole uses improved rubber compounds for slip resistance and a lug pattern to control slippage. The lugs shall be positioned to maximize traction on uphill, downhill and side hill terrain.
- * **Closure:** Comfortable full bellows gusset contours to the instep providing convenient access while keeping debris out.
- * **Lining:** Cushioned lining shall provide a smooth, comfortable feel. Wicks moisture away from the foot and dries quickly.

Sizes and Measurements

Finished Dimensions:

I-* **Sizes:** Medium: 7-12 in half sizes, 13, 14

II-* **Sizes:** Medium: 5-10 in half sizes, 11, 12

ATTACHMENT B

N615 Socks, Dark Brown, Mid-calf, Dress Crew

Sample Size: Unisex two sizes 9-11 and 11-13.

GENERAL DESCRIPTION

Dress Crew sock with Thorlo-type padding.

TYPE ITEMS: *-Male and *Female

CLASSIFICATION

* All Socks

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The basic material shall be 85% acrylic, 12% nylon, and 3% spandex or equal. The color shall be dark brown and shall match the standard sample.
- * **Label:** See reference and requirement sheet.

Detail Design Characteristics

- * **Construction:** The socks shall be constructed from a fine rib knit from the toe end to the ankle and from a medium knit from the ankle to the top of the sock.
- * **Lengths:**

Relaxed Lengths	9- 11	11-13
Leg		
Foot		
Stretch Lengths	9- 11	11-13
Top Cross		
Leg Cross		
Foot Cross		
Foot Length		

Sizes and Measurements

- * **Finished Dimensions:**
- * **Sizes:** Medium and Large

ATTACHMENT B

N616 Tie, Female, Green P/W Tropical, Cross-Over

Specifications are identical for the following other components:

F533 Tie, Unisex, Brown Polyester, Standard, Regular Length
C537 Tie, Unisex, Black P/W Tropical, Clip-on, Extra Long
C538 Tie, Unisex, Black P/W Tropical, Clip-on, Double Extra Long
C539 Tie, Unisex, Black P/W Tropical, Clip-on, Regular Length
C540 Tie, Unisex, Black P/W Tropical, Standard
F541 Tie, Unisex, Brown Polyester, Clip-on, Extra Long
F542 Tie, Unisex, Brown Polyester, Clip-on, Regular Length
N543 Tie, Unisex, Green P/W Tropical, Clip-on, Extra Long
N544 Tie, Unisex, Green P/W Tropical, Clip-on, Regular Length
N545 Tie, Unisex, Green P/W Tropical, Standard

C547 Tie, Unisex, Black P/W Tropical, Clip-on
C548 Tie, Female, Black P/W Tropical, Cross-Over
F549 Tie, Female, Brown Polyester, Cross-Over
F550 Tie, Unisex, Brown Polyester, Clip-on, Regular Length
N617 Tie, Unisex, Green P/W Tropical, Clip-on, Regular Length

Sample Size: See Table.

GENERAL DESCRIPTION

Standard four-in-hand ties shall be Samuel Broome style #455 or equal.
Metal clip-on ties shall be Samuel Broome style #455 or equal.
Mock continental cross-over ties shall be Samuel Broome style #455 TV or equal.

TYPE ITEMS: *--All Ties

CLASSIFICATION

See Table.

ATTACHMENT B

SALIENT CHARACTERISTICS

SPEC #	SEX	TYPE	CLASS	COLOR	LENGTH	WIDTH
F533	M/F	Reg Standard	B	Brown	56 3/4"	3 - 3 1/4"
C537	M/F	XL Clip-on	A	Black	19"	3 - 3 1/4"
C538	M/F	XXL Clip-on	A	Black	22"	3 - 3 1/4"
C539	M/F	Reg Clip-on	A	Black	17"	3 - 3 1/4"
C540	M/F	Reg Standard	A	Black	56 3/4"	3 - 3 1/4"
F541	M/F	XL Clip-on	B	Brown	19"	3 - 3 1/4"
F542	M/F	Reg Clip-on	B	Brown	17"	3 - 3 1/4"
N543	M/F	XL Clip-on	A	Green	19"	3 - 3 1/4"
N544	M/F	Reg Clip-on	A	Green	17"	3 - 3 1/4"
N545	M/F	Reg Standard	A	Green	56 3/4"	3 - 3 1/4"
C547	M/F	ShortClip-on	A	Black	14"	3 - 3 1/4"
C548	F	Cross-over	A	Black	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
F549	F	Cross-over	B	Brown	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
F550	M/F	ShortClip-on	B	Brown	14"	3 - 3 1/4"
N616	F	Cross-over	A	Green	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
N617	M/F	ShortClip-on	A	Green	14"	3 - 3 1/4"

Components

*-A **Basic Material:** The material shall be 75/25 Polyester/Wool, Tropical Weave

*-B **Basic Material:** The material shall be 100% Texturized Polyester, Plain Weave, 4 -5 oz/yd²

General Instructions

Class A and B: All ties shall finish flat and smooth without visible wrinkles, fabric flaws, stitching, or splicing.

Class B: Polyester ties shall have acrylic interlining and a soil release, low stretch finish for washability. Each tie shall have a label stating the manufacturer and contents. Each tie shall be shipped with a shape-retention cardboard insert.

Cross-over ties shall finish flat and smooth without visible wrinkles, fabric flaws, stitching or splicing.

ATTACHMENT B

N617 Tie, Unisex, Green P/W Tropical, Clip-on, Regular Length

Specifications are identical for the following other components:

F533 Tie, Unisex, Brown Polyester, Standard, Regular Length
C537 Tie, Unisex, Black P/W Tropical, Clip-on, Extra Long
C538 Tie, Unisex, Black P/W Tropical, Clip-on, Double Extra Long
C539 Tie, Unisex, Black P/W Tropical, Clip-on, Regular Length
C540 Tie, Unisex, Black P/W Tropical, Standard
F541 Tie, Unisex, Brown Polyester, Clip-on, Extra Long
F542 Tie, Unisex, Brown Polyester, Clip-on, Regular Length
N543 Tie, Unisex, Green P/W Tropical, Clip-on, Extra Long
N544 Tie, Unisex, Green P/W Tropical, Clip-on, Regular Length
N545 Tie, Unisex, Green P/W Tropical, Standard

C547 Tie, Unisex, Black P/W Tropical, Clip-on
C548 Tie, Female, Black P/W Tropical, Cross-Over
F549 Tie, Female, Brown Polyester, Cross-Over
F550 Tie, Unisex, Brown Polyester, Clip-on, Regular Length
N616 Tie, Female, Green P/W Tropical, Cross-Over

Sample Size: See Table.

GENERAL DESCRIPTION

Standard four-in-hand ties shall be Samuel Broome style #455 or equal.
Metal clip-on ties shall be Samuel Broome style #455 or equal.
Mock continental cross-over ties shall be Samuel Broome style #455 TV or equal.

TYPE ITEMS: *--All Ties

CLASSIFICATION

See Table.

ATTACHMENT B

SALIENT CHARACTERISTICS

SPEC #	SEX	TYPE	CLASS	COLOR	LENGTH	WIDTH
F533	M/F	Reg Standard	B	Brown	56 3/4"	3 - 3 1/4"
C537	M/F	XL Clip-on	A	Black	19"	3 - 3 1/4"
C538	M/F	XXL Clip-on	A	Black	22"	3 - 3 1/4"
C539	M/F	Reg Clip-on	A	Black	17"	3 - 3 1/4"
C540	M/F	Reg Standard	A	Black	56 3/4"	3 - 3 1/4"
F541	M/F	XL Clip-on	B	Brown	19"	3 - 3 1/4"
F542	M/F	Reg Clip-on	B	Brown	17"	3 - 3 1/4"
N543	M/F	XL Clip-on	A	Green	19"	3 - 3 1/4"
N544	M/F	Reg Clip-on	A	Green	17"	3 - 3 1/4"
N545	M/F	Reg Standard	A	Green	56 3/4"	3 - 3 1/4"
C547	M/F	ShortClip-on	A	Black	14"	3 - 3 1/4"
C548	F	Cross-over	A	Black	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
F549	F	Cross-over	B	Brown	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
F550	M/F	ShortClip-on	B	Brown	14"	3 - 3 1/4"
N616	F	Cross-over	A	Green	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
N617	M/F	ShortClip-on	A	Green	14"	3 - 3 1/4"

Components

*-A **Basic Material:** The material shall be 75/25 Polyester/Wool, Tropical Weave

*-B **Basic Material:** The material shall be 100% Texturized Polyester, Plain Weave, 4 -5 oz/yd²

General Instructions

Class A and B: All ties shall finish flat and smooth without visible wrinkles, fabric flaws, stitching, or splicing.

Class B: Polyester ties shall have acrylic interlining and a soil release, low stretch finish for washability. Each tie shall have a label stating the manufacturer and contents. Each tie shall be shipped with a shape-retention cardboard insert.

Cross-over ties shall finish flat and smooth without visible wrinkles, fabric flaws, stitching or splicing.

ATTACHMENT B

N619 Shirt, Maternity Smock, Grey, 4.25 Oz. 65/35 Poly/Cotton, Long Sleeve

Specifications are identical for the following shirts:

C618 Shirt, Maternity Smock, Grey, 4.25 Oz. 65/35 Poly/Cotton, Long Sleeve

C620 Shirt, Maternity Smock, Grey, 4.25 Oz. 65/35 Poly/Cotton, Short Sleeve

N621 Shirt, Maternity Smock, Grey, 4.25 Oz. 65/35 Poly/Cotton, Short Sleeve

Sample Sizes: Medium

GENERAL DESCRIPTION

Maternity shirt both short sleeve and long sleeve with two vertical front pleats for expansion, banded collar, functional epaulets and a sling badge tab.

TYPE ITEMS: * All Shirts

CLASSIFICATION	COE #	NPS #
* All Shirts	*	*
A Long Sleeve	C618	N619
B Short Sleeve	C620	N621

SALIENT CHARACTERISTICS

Components

Type-Class

- *_* **Basic Material:** The material shall be grey 4.25 Oz. 65% Polyester/ 35% Cotton, Poplin, Grey.
- *_* **Style:** Maternity shirts with 10" placket front and four button closure.
- *_* **Collar:** The back of the stand shall measure 1 ½ inches. The points shall be 2 7/8 inches in height and top stitched 3/16 inches from edge. The interlinings shall be 100% polyester, 250 denier. The inside collar band fabric shall be polyester satin lined with crease interlining. Permanent collar stays shall be placed parallel to the front collar edge and are fused or sewn inside the collar so that no stitches are made through the bottom leaf. The stand shall fasten with one button.
- *_* **Yoke:** A two piece yoke shall be lined on the inside with self material. The yoke shall measure 2 ¾" at center back and 2 ½" at outside edges. The back of the yoke shall be top stitched 1/16".
- *_* **Button Holes:** The placket shall have three buttons and three buttonholes. The collar stand shall have one button and buttonhole. The long sleeve has one button and buttonhole on the cuff.
- *_* **Pleats:** Front pleat starts at bottom of placket and shall continue to finished bottom of shirt. Dress collar shall have center back pleat.
- *-A **Sleeves:** Each sleeve shall have one piece continuous pointed placket, 1 ¼" wide both top and bottom, with one button and buttonhole centered in vent opening. Sleeve setting and closing shall be done with an over-edge and safety stitched. Interlined cuffs shall close with two buttons and buttonholes.
- *-B **Sleeves:** Sleeves shall be one piece, have a 7/8" hem and finish approximately nine inches from the shoulder seam. Sleeve setting and closing shall be done with an over-edge and safety stitch. The entire opening shall be hemmed.

ATTACHMENT B

_ **Patch:** The patch shall be sewn securely to the center of the left sleeve with the top edge 1 ½” below the shoulder seam. The patch shall be sewn with inconspicuous stitching using thread matching the emblem background color.

Sizes and Measurements

Sizes: Small - 4 - 6
Medium - 8 - 10
Large - 12- 14
XL - 16 - 18

ATTACHMENT B

N621 Shirt, Maternity Smock, Grey, 4.25 Oz. 65/35 Poly/Cotton, Short Sleeve

Specifications are identical for the following components:

C618 Shirt, Maternity Smock, Grey, 4.25 Oz. 65/35 Poly/Cotton, Long Sleeve

N619 Shirt, Maternity Smock, Grey, 4.25 Oz. 65/35 Poly/Cotton, Long Sleeve

C620 Shirt, Maternity Smock, Grey, 4.25 Oz. 65/35 Poly/Cotton, Short Sleeve

Sample Sizes: Medium

GENERAL DESCRIPTION

Maternity shirt both short sleeve and long sleeve with two vertical front pleats for expansion, banded collar, functional epaulets and a sling badge tab.

TYPE ITEMS : * All Shirts

CLASSIFICATION	COE #	NPS #
* All Shirts	*	*
A Long Sleeve	C618	N619
B Short Sleeve	C620	N621

SALIENT CHARACTERISTICS

Components

Type-Class

- *_* **Basic Material:** The material shall be grey 4.25 Oz. 65% Polyester/ 35% Cotton, Poplin, Grey.
- *_* **Style:** Maternity shirts with 10" placket front and four button closure.
- *_* **Collar:** The back of the stand shall measure 1 ½ inches. The points shall be 2 7/8 inches in height and top stitched 3/16 inches from edge. The interlinings shall be 100% polyester, 250 denier. The inside collar band fabric shall be polyester satin lined with crease interlining. Permanent collar stays shall be placed parallel to the front collar edge and are fused or sewn inside the collar so that no stitches are made through the bottom leaf. The stand shall fasten with one button.
- *_* **Yoke:** A two piece yoke shall be lined on the inside with self material. The yoke shall measure 2 ¾" at center back and 2 ½" at outside edges. The back of the yoke shall be top stitched 1/16".
- *_* **Button Holes:** The placket shall have three buttons and three buttonholes. The collar stand shall have one button and buttonhole. The long sleeve has one button and buttonhole on the cuff.
- *_* **Pleats:** Front pleat starts at bottom of placket and shall continue to finished bottom of shirt. Dress collar shall have center back pleat.
- *-A **Sleeves:** Each sleeve shall have one piece continuous pointed placket, 1 ¼" wide both top and bottom, with one button and buttonhole centered in vent opening. Sleeve setting and closing shall be done with an over-edge and safety stitched. Interlined cuffs shall close with two buttons and buttonholes.
- *-B **Sleeves:** Sleeves shall be one piece, have a 7/8" hem and finish approximately nine inches from the shoulder seam. Sleeve setting and closing shall be done with an over-edge and safety stitch. The entire opening shall be hemmed.

ATTACHMENT B

_ **Patch:** The patch shall be sewn securely to the center of the left sleeve with the top edge 1 ½” below the shoulder seam. The patch shall be sewn with inconspicuous stitching using thread matching the emblem background color.

Sizes and Measurements

Sizes: Small - 4 - 6
Medium - 8 - 10
Large - 12- 14
XL - 16 - 18

ATTACHMENT B

N622 Vest, Male, Green Nylon, Insulated without Badge Tab

Specifications are identical for the following other components:

C587 Vest, Male, Green Nylon Insulated with Badge Tab
N588 Vest, Male, Green Nylon, Insulated with Badge Tab
F586 Vest, Male, Brown Nylon, Insulated without Badge Tab
C591 Vest, Female, Green Nylon Insulated with Badge Tab
N592 Vest, Female, Green Nylon Insulated with Badge Tab
N623 Vest, Female, Green Nylon Insulated without Badge Tab
F590 Vest, Female, Brown Nylon, Insulated without Badge Tab

Sample Size: All dimensions are based on Male size L and Female size M

GENERAL DESCRIPTION

Raven Industries (or equal) Thinsulate/Fleece lined insulated vest with a zipper front and two hand warmer pockets, with/without badge tab holder and name plate.

TYPE ITEMS: *--All Vests Type I—Male Type II—Female

CLASSIFICATION		COE # (M/F)	NPS # (M/F)	FWS # (M/F)
*	All Vests	*	*	*
A	With Badge Tab, Green	C587/C591	N588/N592	*
B	Without Badge Tab, Green	*	N622/623	*
C	Without Badge Tab, Brown	*	*	F586/F590

SALIENT CHARACTERISTICS

Components

- *-A/B **Basic Material:** The material shall be taslon nylon, 2 ply, with 3M thinsulate insulation and fleece lining, Forest Green. The fronts, back and collar shall be fully insulated with 60-70 grams per square meter Thinsulate insulation or equal.
- *-C **Basic Material:** The material shall be taslon nylon, 2 ply, with 3M thinsulate insulation and fleece lining, brown. The fronts, back and collar shall be fully insulated with 60-70 grams per square meter Thinsulate insulation or equal.
- * **Thread:** All thread except topstitching shall be minimum size 60/36. Color consistent with basic material.
- * **Zipper:** The zipper shall be a Vislon plastic scoop type, size 5 or equal. The zipper shall be a single pull, single slider with a long pull-tab. The tape shall be a minimum 1/2" wide.
- * **Labels:** See general references and requirements sheet.

Detail Design Characteristics

- * **Collar:** The stand up collar shall be one piece construction made from shell fabric on the outside and fleece on the inside. The collar shall be 3" wide at the front edge and not less than 2 3/4" wide at center back.

ATTACHMENT B

- I-*** **Front:** The front shall have a zipper closure from the top of the collar down to within $\frac{3}{4}$ " of the bottom edge. The front length shall be $20\frac{1}{2}$ " long from collar seam to bottom edge. The front zipper shall be 23" long from top of collar to bottom. Zipper tapes shall be caught between front folded edges of vest shell and lining with the folded edges topstitched $\frac{1}{4}$ " gauge. The bottom edge shall form a curve gradually tapering up from the center front to the side seams. The side length shall be 11" from armhole to bottom edge. The half chest shall be 24" wide.
- II-*** **Front:** The front shall have a zipper closure from the top of the collar down to within $\frac{3}{4}$ " of the bottom edge. The front length shall be $17\frac{1}{2}$ " long from collar seam to bottom edge. The front zipper shall be 20" long from top of collar to bottom. Zipper tapes shall be caught between front folded edges of vest shell and lining with the folded edges topstitched $\frac{1}{4}$ " Gauge. The bottom edge shall form a curve gradually tapering up from the center front to the side seams. The side length shall be $9\frac{1}{4}$ " from armhole to bottom edge. The half chest shall be 21" wide.
- I-*** **Back:** The back shall be plain. The center back shall be 24" long from the collar seam to the bottom edge.
- II-*** **Back:** The back shall be plain. The center back shall be $19\frac{1}{4}$ " long from the collar seam to the bottom edge.
- I-*** **Pockets:** A single welt slash pocket shall be located on each front. The bottom of the pocket opening shall be 2" above the bottom front edge and $4\frac{1}{2}$ " from the side seam. The top of the pocket opening shall be $8\frac{1}{2}$ " above the bottom front edge and $4\frac{5}{8}$ " from the side seam. The opening shall be $6\frac{5}{8}$ " long. The welt shall be $6\frac{5}{8}$ " long and $\frac{5}{8}$ " wide. Welt edges shall be top stitched $\frac{1}{16}$ " gauge. Pocket lining shall be shell fabric and shall be 7" deep at center.
- II-*** **Pockets:** A single welt slash pocket shall be located on each front. The bottom of the pocket opening shall be $1\frac{7}{8}$ " above the bottom front edge and $2\frac{1}{4}$ " from the side seam. The top of the pocket opening shall be 8" above the bottom front edge and $3\frac{3}{4}$ " from the side seam. The opening shall be $5\frac{5}{8}$ " long. The welt shall be $5\frac{5}{8}$ " long and $\frac{5}{8}$ " wide. Welt edges shall be top stitched $\frac{1}{16}$ " gauge. Pocket lining shall be shell fabric and shall be 7" deep at center.
- *-A** **Badge Reinforcement:** Badge and name tabs shall be constructed from the outer shell fabric. The tabs shall finish $\frac{1}{2}$ " wide with $\frac{1}{8}$ " top stitching and the tab ends shall be turned under $\frac{1}{4}$ " and attached to the fronts with bartacks $\frac{1}{16}$ " from the folded edge. The badge tab shall be 2" long with two sewn eyelets centered $\frac{15}{16}$ " apart. The badge tab shall be located on the left front in vertical alignment with the inner edge $3\frac{3}{4}$ " from the left front fly edge and the top edge $6\frac{1}{4}$ " below the front shoulder seam. The name tab shall be 3" long with two sewn eyelets centered $1\frac{7}{8}$ " apart. Badge tab and name tag backtacked.
- I-*** **Armhole:** The shoulder seam shall be 6" long. The armhole shell and lining shall be stitched, turned and topstitched $\frac{1}{4}$ " gauge.
- II-*** **Armhole:** The shoulder seam shall be $4\frac{1}{2}$ " long. The armhole shell and lining shall be stitched, turned and topstitched $\frac{1}{4}$ " gauge.
- *** **Bottom:** The bottom edge of the shell and lining shall be stitched, turned and topstitched $\frac{1}{4}$ " gauge.
- *** **Hanger Loop:** A $\frac{3}{8}$ " wide black nylon tape hanger loop $1\frac{3}{4}$ " long shall be sewn into the inside collar seam at center back.

ATTACHMENT B

Sizes and Measurements

Finished Dimensions

I-*	Sizes:	Regular: XS-XXXXL
	Long:	S-XXXXL
II-*	Sizes:	Regular: XS-XXL
	Long:	M-XXL

ATTACHMENT B

N623 Vest, Female, Green Nylon Insulated without Badge Tab

Specifications are identical for the following other components:

C587 Vest, Male, Green Nylon Insulated with Badge Tab
N588 Vest, Male, Green Nylon, Insulated with Badge Tab
N622 Vest, Male, Green Nylon, Insulated without Badge Tab
F586 Vest, Male, Brown Nylon, Insulated without Badge Tab
C591 Vest, Female, Green Nylon Insulated with Badge Tab
N592 Vest, Female, Green Nylon Insulated with Badge Tab
F590 Vest, Female, Brown Nylon Insulated without Badge Tab

Sample Size: All dimensions are based on Male size L and Female size M

GENERAL DESCRIPTION

Raven Industries (or equal) Thinsulate/Fleece lined insulated vest with a zipper front and two hand warmer pockets, with/without badge tab holder and name plate.

TYPE ITEMS: *--All Vests Type I—Male Type II—Female

CLASSIFICATION		COE # (M/F)	NPS # (M/F)	FWS # (M/F)
*	All Vests	*	*	*
A	With Badge Tab, Green	C587/C591	N588/N592	*
B	Without Badge Tab, Green	*	N622/623	*
C	Without Badge Tab, Brown	*	*	F586/F590

SALIENT CHARACTERISTICS

Components

- *-A/B **Basic Material:** The material shall be taslon nylon, 2 ply, with 3M thinsulate insulation and fleece lining, Forest Green. The fronts, back and collar shall be fully insulated with 60-70 grams per square meter Thinsulate insulation or equal.
- *-C **Basic Material:** The material shall be taslon nylon, 2 ply, with 3M thinsulate insulation and fleece lining, brown. The fronts, back and collar shall be fully insulated with 60-70 grams per square meter Thinsulate insulation or equal.
- * **Thread:** All thread except topstitching shall be minimum size 60/36. Color consistent with basic material.
- * **Zipper:** The zipper shall be a Vislon plastic scoop type, size 5 or equal. The zipper shall be a single pull, single slider with a long pull-tab. The tape shall be a minimum 1/2" wide.
- * **Labels:** See general references and requirements sheet.

Detail Design Characteristics

- * **Collar:** The stand up collar shall be one piece construction made from shell fabric on the outside and fleece on the inside. The collar shall be 3" wide at the front edge and not less than 2 3/4" wide at center back.

ATTACHMENT B

- I-*** **Front:** The front shall have a zipper closure from the top of the collar down to within $\frac{3}{4}$ " of the bottom edge. The front length shall be $20\frac{1}{2}$ " long from collar seam to bottom edge. The front zipper shall be 23" long from top of collar to bottom. Zipper tapes shall be caught between front folded edges of vest shell and lining with the folded edges topstitched $\frac{1}{4}$ " gauge. The bottom edge shall form a curve gradually tapering up from the center front to the side seams. The side length shall be 11" from armhole to bottom edge. The half chest shall be 24" wide.
- II-*** **Front:** The front shall have a zipper closure from the top of the collar down to within $\frac{3}{4}$ " of the bottom edge. The front length shall be $17\frac{1}{2}$ " long from collar seam to bottom edge. The front zipper shall be 20" long from top of collar to bottom. Zipper tapes shall be caught between front folded edges of vest shell and lining with the folded edges topstitched $\frac{1}{4}$ " Gauge. The bottom edge shall form a curve gradually tapering up from the center front to the side seams. The side length shall be $9\frac{1}{4}$ " from armhole to bottom edge. The half chest shall be 21" wide.
- I-*** **Back:** The back shall be plain. The center back shall be 24" long from the collar seam to the bottom edge.
- II-*** **Back:** The back shall be plain. The center back shall be $19\frac{1}{4}$ " long from the collar seam to the bottom edge.
- I-*** **Pockets:** A single welt slash pocket shall be located on each front. The bottom of the pocket opening shall be 2" above the bottom front edge and $4\frac{1}{2}$ " from the side seam. The top of the pocket opening shall be $8\frac{1}{2}$ " above the bottom front edge and $4\frac{5}{8}$ " from the side seam. The opening shall be $6\frac{5}{8}$ " long. The welt shall be $6\frac{5}{8}$ " long and $\frac{5}{8}$ " wide. Welt edges shall be top stitched $\frac{1}{16}$ " gauge. Pocket lining shall be shell fabric and shall be 7" deep at center.
- II-*** **Pockets:** A single welt slash pocket shall be located on each front. The bottom of the pocket opening shall be $1\frac{7}{8}$ " above the bottom front edge and $2\frac{1}{4}$ " from the side seam. The top of the pocket opening shall be 8" above the bottom front edge and $3\frac{3}{4}$ " from the side seam. The opening shall be $5\frac{5}{8}$ " long. The welt shall be $5\frac{5}{8}$ " long and $\frac{5}{8}$ " wide. Welt edges shall be top stitched $\frac{1}{16}$ " gauge. Pocket lining shall be shell fabric and shall be 7" deep at center.
- *-A** **Badge Reinforcement:** Badge and name tabs shall be constructed from the outer shell fabric. The tabs shall finish $\frac{1}{2}$ " wide with $\frac{1}{8}$ " top stitching and the tab ends shall be turned under $\frac{1}{4}$ " and attached to the fronts with bartacks $\frac{1}{16}$ " from the folded edge. The badge tab shall be 2" long with two sewn eyelets centered $\frac{15}{16}$ " apart. The badge tab shall be located on the left front in vertical alignment with the inner edge $3\frac{3}{4}$ " from the left front fly edge and the top edge $6\frac{1}{4}$ " below the front shoulder seam. The name tab shall be 3" long with two sewn eyelets centered $1\frac{7}{8}$ " apart. Badge tab and name tag backtacked.
- I-*** **Armhole:** The shoulder seam shall be 6" long. The armhole shell and lining shall be stitched, turned and topstitched $\frac{1}{4}$ " gauge.
- II-*** **Armhole:** The shoulder seam shall be $4\frac{1}{2}$ " long. The armhole shell and lining shall be stitched, turned and topstitched $\frac{1}{4}$ " gauge.
- *** **Bottom:** The bottom edge of the shell and lining shall be stitched, turned and topstitched $\frac{1}{4}$ " gauge.
- *** **Hanger Loop:** A $\frac{3}{8}$ " wide black nylon tape hanger loop $1\frac{3}{4}$ " long shall be sewn into the inside collar seam at center back.

ATTACHMENT B

Sizes and Measurements

Finished Dimensions

I-*	Sizes:	Regular: XS-XXXXL
	Long:	S-XXXXL
II-*	Sizes:	Regular: XS-XXL
	Long:	M-XXL

ATTACHMENT B

N624 Raincoat, Female, Green Urethane coated Nylon

Specifications are identical for the following other component:

N405 Raincoat, Male, Green Urethane coated Nylon

Sample Size: All dimensions based on size L(male) / M(female)

GENERAL DESCRIPTION

Raincoat with cape shoulders, raglan sleeves and fully vented yoke. Front zipper closure and side pass through openings with zipper closures and slash-through pockets.

TYPE * - All Raincoats Type I Male. Type II Female.

CLASSIFICATION

* All Raincoats

SALIENT CHARACTERISTICS

Components

Type-Class

* **Basic Materials:**

Shell - Forest Green coated nylon, 104 x 86 ends and picks, 70 denier 1-1/2 ounce urethane coated fabric. Weight with coating shall be 3-1/4 ounces per yard.

Lining - Husky 66 ends by 52 picks per inch oxford cloth made from 200 denier yarn and coated with a 1-1/2 ounce urethane coating. Fabric weight with coating shall be 4-1/2 ounces per yard.

Vent - 100% nylon mesh.

* **Lining:** The raincoat shall be completely lined (except for the collar) with the inner shell material and a separate piece of vent material. The lining construction shall be the same as for the outer shell construction.

* **Thread:** The thread for all operations shall be cotton core polyester wrapped. The color shall match the respective fabrics.

* **Front Zipper:** The zipper shall be 27" long, double action, reversible, black, #5 molded. The zipper shall start at the neckline and be caught between the outer and inner shells and sewn together with stitch type 301.

* **Side Zipper:** The zipper shall be constructed inseam with tightly closing edges. The zipper shall be a #5, reversible pull, nylon coil, 15" long. The zipper shall be caught between edges of the outer and inner shells and the three layers sewn together with stitch type 301.

* **Label:** See general reference and requirements sheet.

General Instructions

* **Stitching:** The stitches shall be 8 to 12 per inch for all seams.

ATTACHMENT B

Detail Design Characteristics

- * **Front:** A plain front with centered zipper. The front shall be 44" long from neckline seam to bottom hem at front center for size medium. Length of other sizes shall be proportional to fit 5 to 8" below the knee. The front vent shall extend from the neckline down 8" and from center fronts around the back and shall be caught in underarm seams. The vent shall be joined to the front panel. A separate yoke piece that is a part of the raglan sleeve shall completely cover and overlap the vent material extending down 1 3/4 below the vent front panel seam. Both front panels shall have slash-through pockets with pocket bag, placed vertically with a pocket welt of 1 3/4 long wide by 9" long.
- * **Side Openings:** Side openings shall finish 15 1/2" long starting 5 1/2" below the underarm seam.
- * **Collar:** The collar and collar lining shall be constructed from the outer shell material. The interliner shall be of coated oxford. The collar point shall finish 5" long and the collar at center back shall be 4 3/8" wide. The collar shall be topstitched 3/8" from the edge.
- * **Back:** One piece back panel shall extend side seam to side seam and bottom hem up to within 8" of neckline seam. The top of the back panel shall be sewn to the bottom of a piece of vent material. The one-piece vent material shall extend from the top of the back panel to the neckline seam and shall be continuous from the right center front across the back to the left center front. The back yoke shall be a continuation of the one-piece raglan sleeves and shall be joined at the center back. A 1 3/4" wide binding shall be attached to the bottom of edge of the yoke such that it extends 2" below the back panel/vent material seam. The binding shall extend from the underarm seam to underarm seam. A 2" piece of 1/4" wide elastic shall be caught in the center back inside edge of the binding and tacked down to the upper edge of the back panel.
- * **Sleeves:** The style shall be one piece raglan sleeves. The raglan shall extend from the bottom edge of the sleeve to the neckline and along the neckline to form the back yokes. 3/8" elastic shall be shirred into the sleeve bottoms.
- * **Bottom:** The outer and inner shell fabrics shall be stitched face to face then topstitched 3/8" from the edge. Stitch type shall be 301.
- * **Patch:** A NPS arrowhead shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 9 1/2" from collar seam. The patch shall be sewn with inconspicuous stitching using a brown thread closely matching the patch background color.

Sizes and Measurements

Sizes

I-*	Male:	Regular	S-XXL
		Long	M-XXL
II-*	Female:		S-XL

ATTACHMENT B

N625 Jacket, Male, Green 8 Oz. 65/35 P/C Cheotopa IV Twill without Badge Tab

Specifications are identical for the following other components:

N325 Jacket, Male, Green 8 Oz. 65/35 P/C Cheotopa IV Twill with Badge Tab

N332 Jacket, Female, Green 8Oz. 65/35 P/C Cheotopa IV Twill with Badge Tab

N626 Jacket, Female, Green 8 Oz. 65/35 P/C Cheotopa IV Twill without Badge Tab

Sample Size: Male and Female

GENERAL DESCRIPTION

Permanent press jacket with zipper from bottom of jacket to bottom of collar, two piece convertible collar, with two outside breast pockets with pointed flaps.

TYPE ITEMS: * --All Jackets Type I—Male Type II—Female

CLASSIFICATION	NPS # (M/F)
* All Jackets	*
A With Badge Tab	N325/332
B Without Badge Tab	N625/626

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The material shall be 8 ounce Forest Green 8 Oz. 65/35 P/C Chetopa IV twill.
- * **Thread:** The thread for all sewing operations shall be Rayon covered polyester or 100% spun polyester, dyed to match shade of self material, conforming to ticket number 50-2 or 3 ply and 70-2 or 3 ply of MIL-T-43548. All lockstitch (301) shall use 50 ply, all chainstitch (401) shall use 50 ply for needle and 70 ply, and safety stitching (515 and 516) shall use 50 ply for the looper, overedging (503 and 504) shall use 70 ply, and safety stitching (515 and 516) shall use 50 ply for the needle thread and 70 ply for other threads.
- * **Zipper:** A brass Talon #42 zipper or equal is required. Zipper with brass teeth and slider-ratcheting-auto lock slider. Concealed zipper tape shall be blended polyester/cotton or nylon/cotton.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Cutting:** Fronts, backs, sleeves, pockets and flaps shall be cut lengthwise in goods. Collars and cuffs shall be cut in the filling direction.
- * **Stitching:** All joining seams, including sideseams, shoulder join, sleeve join, and bottom band shall be 12-12 gauge (515 or 516) safety stitched.

ATTACHMENT B

Detail Design Characteristics

- I-*** **Collar:** Collar shall be two-piece convertible style. Collar shall have an interlining compatible with permanent press finish. Collar shall be stitched, topstitched $\frac{1}{4}$ gauge and restitched to garment during attaching operation with 301 stitch type. Collar points shall be 3" long, and collar shall measure $2\frac{3}{4}$ " at center back.
- II-*** **Collar:** Collar shall be two-piece convertible style. Collar shall have an interlining compatible with permanent press finish. Collar shall be stitched, topstitched $\frac{1}{4}$ gauge and restitched to garment during attaching operation with 301 stitch type. Collar points shall be 3" long, and collar shall measure 3" at center back.
- *** **Front:** Closure: Zipper tape shall be sandwiched between front and facing, attached with single needle 30 stitch, color to match self material. There shall be $\frac{3}{8}$ " topstitching along the zipper.
- *** **Inside Zipper Track:** The jacket shall be manufactured with an inside zipper track to accommodate zip-in/out liner with long sleeves.
- I-*** **Facing:** The jackets shall have an approximate 3" inside facing which shall be bound with $\frac{3}{8}$ " acetate or nylon tape. Along the facing edge, the zipper tape shall be attached. The size and teeth of this zipper shall be of such construction as to allow it to be joined with a zip-in/out liner. Facing and zip-in liner shall be joined to zipper tape with 1 row of $\frac{1}{4}$ " gauge 301 stitching.
- II-*** **Facing:** The jackets shall have an approximate 3" inside facing which is to be bound with $\frac{3}{8}$ " acetate or nylon tape. Along the facing edge, the zipper tape shall be attached. The size and teeth of this zipper shall be of such construction as to allow it to be joined with a zip-in/out liner. Facing and zip-in liner shall be joined to zipper tape with 2 rows of $\frac{1}{4}$ " gauge 301 stitching.
- *** **Badge Reinforcement:** Badge tab shall be constructed of self fabric, lined with 2 black metal eyelets 1" apart vertically from center to center and shall be sewn $\frac{1}{2}$ " above left breast pocket flap. Finished tab shall be 2" long and 1" wide.
- I-*** **Pocket Flaps:** Each flap shall have 2 needle, $\frac{1}{4}$ " gauge topstitching. Left flap shall have a pencil division with each side of opening bartacked. Flaps shall have straight side with single point at center. Flaps shall measure $6\frac{3}{8}$ " wide, $1\frac{5}{8}$ " at sides, and $2\frac{1}{2}$ " at center. Flaps shall have buttonholes that are in alignment with buttons. Ends of flaps shall be bartacked. Flaps shall be attached with a 2 needle $\frac{1}{4}$ " gauge.
- II-*** **Pocket Flaps:** Each flap shall have 2 needle, $\frac{1}{4}$ " gauge topstitching. Left flap shall have a pencil division with each side of opening bartacked. Flaps shall have straight side with single point at center. Flaps shall measure $5\frac{1}{2}$ " wide, $1\frac{1}{4}$ " at sides, and 2" at center. Flaps shall have buttonholes that are in alignment with buttons. Ends of flaps shall be bartacked. Flaps shall be attached with a 2 needle $\frac{1}{4}$ " gauge.
- I-*** **Pockets:** Self material, attached with 2 rows, $\frac{1}{4}$ gauge, 301 stitch. Both pockets shall have a 27 ligne melamine button. Pocket size $6\frac{3}{4}$ " wide by $6\frac{1}{2}$ " deep with mitered corners. Ends of pocket openings shall be bartacked.
- II-*** **Pockets:** Self material, attached with 2 rows, $\frac{1}{4}$ gauge, 301 stitch. Both pockets shall have a 27 ligne melamine button. Pocket size $5\frac{1}{2}$ " wide by $5\frac{1}{2}$ " deep with mitered corners. Ends of pocket openings shall be bartacked.

ATTACHMENT B

- * **Sleeves:** One piece, coat style, set in sleeves, safety stitched, without vent.
- * **Cuffs:** One piece design, clip corner, dress style, rectangular appearance, 2 " wide, and attached with 12-12 gauge (515 or 516) safety stitch. After joining cuff, turn seam allowance up and topstitch ¼" above joining seam. Each cuff shall have one buttonhole with two 27 ligne melamine buttons on each cuff.
- * **Bottoms:** Shall finish with 2 ½" band. Jackets to have side knitted band, centered over side seam, 2 ½" high and 4" wide of 93% nylon/7% elastic double knit, 2 x 2 rib cardigan with color to match self material. After joining band to main panels, the seam allowance shall be folded up and caught by topstitching on outside of jacket ¼" above joining seam. The front waistbands shall be topstitched at the bottom and each side.
- * **Patch:** An arrowhead shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 1 ¾" to 2" below the shoulder seam depending on the garment size. The patch shall be sewn with inconspicuous stitching using brown thread closely matching the emblem background color.

Sizes and Measurements

Finished Dimensions

- | | | |
|-------------|---------------|---------------------------------|
| I-* | Sizes: | Regular: S-XXXL
Long: M-XXXL |
| II-* | Sizes: | Regular: XS-XXL
Tall: S-XXL |

ATTACHMENT B

N626 Jacket, Female, Green 8 Oz. 65/35 P/C Cheotopa IV Twill without Badge Tab

Specifications are identical for the following other components:

N325 Jacket, Male, Green 8 Oz. 65/35 P/C Cheotopa IV Twill with Badge Tab

N625 Jacket, Male, Green 8 Oz. 65/35 P/C Cheotopa IV Twill without Badge Tab

N332 Jacket, Female, Green 8 Oz. 65/35 P/C Cheotopa IV Twill with Badge Tab

Sample Size: Male and Female

GENERAL DESCRIPTION

Permanent press jacket with zipper from bottom of jacket to bottom of collar, two piece convertible collar, with two outside breast pockets with pointed flaps.

TYPE ITEMS: * --All Jackets Type I—Male Type II—Female

CLASSIFICATION	NPS # (M/F)
* All Jackets	*
A With Badge Tab	N325/332
B Without Badge Tab	N625/626

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The material shall be 8 ounce Forest Green 8 Oz. 65/35 P/C Chetopa IV twill.
- * **Thread:** The thread for all sewing operations shall be Rayon covered polyester or 100% spun polyester, dyed to match shade of self material, conforming to ticket number 50-2 or 3 ply and 70-2 or 3 ply of MIL-T-43548. All lockstitch (301) shall use 50 ply, all chainstitch (401) shall use 50 ply for needle and 70 ply, and safety stitching (515 and 516) shall use 50 ply for the looper, overedging (503 and 504) shall use 70 ply, and safety stitching (515 and 516) shall use 50 ply for the needle thread and 70 ply for other threads.
- * **Zipper:** A brass Talon #42 zipper or equal is required. Zipper with brass teeth and slider-ratcheting-auto lock slider. Concealed zipper tape shall be blended polyester/cotton or nylon/cotton.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Cutting:** Fronts, backs, sleeves, pockets and flaps shall be cut lengthwise in goods. Collars and cuffs shall be cut in the filling direction.
- * **Stitching:** All joining seams, including sideseams, shoulder join, sleeve join, and bottom band shall be 12-12 gauge (515 or 516) safety stitched.

ATTACHMENT B

Detail Design Characteristics

- I-*** **Collar:** Collar shall be two-piece convertible style. Collar shall have an interlining compatible with permanent press finish. Collar shall be stitched, topstitched $\frac{1}{4}$ gauge and restitched to garment during attaching operation with 301 stitch type. Collar points shall be 3" long, and collar shall measure $2\frac{3}{4}$ " at center back.
- II-*** **Collar:** Collar shall be two-piece convertible style. Collar shall have an interlining compatible with permanent press finish. Collar shall be stitched, topstitched $\frac{1}{4}$ gauge and restitched to garment during attaching operation with 301 stitch type. Collar points shall be 3" long, and collar shall measure 3" at center back.
- *** **Front:** Closure: Zipper tape shall be sandwiched between front and facing, attached with single needle 30 stitch, color to match self material. There shall be $\frac{3}{8}$ " topstitching along the zipper.
- *** **Inside Zipper Track:** The jacket shall be manufactured with an inside zipper track to accommodate zip-in/out liner with long sleeves.
- I-*** **Facing:** The jackets shall have an approximate 3" inside facing which shall be bound with $\frac{3}{8}$ " acetate or nylon tape. Along the facing edge, the zipper tape shall be attached. The size and teeth of this zipper shall be of such construction as to allow it to be joined with a zip-in/out liner. Facing and zip-in liner shall be joined to zipper tape with 1 row of $\frac{1}{4}$ " gauge 301 stitching.
- II-*** **Facing:** The jackets shall have an approximate 3" inside facing which is to be bound with $\frac{3}{8}$ " acetate or nylon tape. Along the facing edge, the zipper tape shall be attached. The size and teeth of this zipper shall be of such construction as to allow it to be joined with a zip-in/out liner. Facing and zip-in liner shall be joined to zipper tape with 2 rows of $\frac{1}{4}$ " gauge 301 stitching.
- *** **Badge Reinforcement:** Badge tab shall be constructed of self fabric, lined with 2 black metal eyelets 1" apart vertically from center to center and shall be sewn $\frac{1}{2}$ " above left breast pocket flap. Finished tab shall be 2" long and 1" wide.
- I-*** **Pocket Flaps:** Each flap shall have 2 needle, $\frac{1}{4}$ " gauge topstitching. Left flap shall have a pencil division with each side of opening bartacked. Flaps shall have straight side with single point at center. Flaps shall measure $6\frac{3}{8}$ " wide, $1\frac{5}{8}$ " at sides, and $2\frac{1}{2}$ " at center. Flaps shall have buttonholes that are in alignment with buttons. Ends of flaps shall be bartacked. Flaps shall be attached with a 2 needle $\frac{1}{4}$ " gauge.
- II-*** **Pocket Flaps:** Each flap shall have 2 needle, $\frac{1}{4}$ " gauge topstitching. Left flap shall have a pencil division with each side of opening bartacked. Flaps shall have straight side with single point at center. Flaps shall measure $5\frac{1}{2}$ " wide, $1\frac{1}{4}$ " at sides, and 2" at center. Flaps shall have buttonholes that are in alignment with buttons. Ends of flaps shall be bartacked. Flaps shall be attached with a 2 needle $\frac{1}{4}$ " gauge.
- I-*** **Pockets:** Self material, attached with 2 rows, $\frac{1}{4}$ gauge, 301 stitch. Both pockets shall have a 27 ligne melamine button. Pocket size $6\frac{3}{4}$ " wide by $6\frac{1}{2}$ " deep with mitered corners. Ends of pocket openings shall be bartacked.
- II-*** **Pockets:** Self material, attached with 2 rows, $\frac{1}{4}$ gauge, 301 stitch. Both pockets shall have a 27 ligne melamine button. Pocket size $5\frac{1}{2}$ " wide by $5\frac{1}{2}$ " deep with mitered corners. Ends of pocket openings shall be bartacked.

ATTACHMENT B

- * **Sleeves:** One piece, coat style, set in sleeves, safety stitched, without vent.
- * **Cuffs:** One piece design, clip corner, dress style, rectangular appearance, 2 " wide, and attached with 12-12 gauge (515 or 516) safety stitch. After joining cuff, turn seam allowance up and topstitch ¼" above joining seam. Each cuff shall have one buttonhole with two 27 ligne melamine buttons on each cuff.
- * **Bottoms:** Shall finish with 2 ½" band. Jackets to have side knitted band, centered over side seam, 2 ½" high and 4" wide of 93% nylon/7% elastic double knit, 2 x 2 rib cardigan with color to match self material. After joining band to main panels, the seam allowance shall be folded up and caught by topstitching on outside of jacket ¼" above joining seam. The front waistbands shall be topstitched at the bottom and each side.
- * **Patch:** An arrowhead shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 1 ¾" to 2" below the shoulder seam depending on the garment size. The patch shall be sewn with inconspicuous stitching using brown thread closely matching the emblem background color.

Sizes and Measurements

Finished Dimensions

- I-*** **Sizes:** Regular: S-XXXL
 Long: M-XXXL
- II-*** **Sizes:** Regular: XS-XXL
 Tall: S-XXL

ATTACHMENT B

N627 Liner, Gloves, Deerskin, Removable

Specifications are identical for the following other item:

F348 Liner, Gloves, Deerskin, Removable

Sample Size: All dimensions based on size L

GENERAL DESCRIPTION

Removable liner to fit inside deerskin gloves.

TYPE ITEMS: *--Male and Female

CLASSIFICATION

* **All Gloves**

SALIENT CHARACTERISTICS

Components

* **Basic Material:** The material shall be 80% wool / 20% nylon, light brown.

* **Label:** See general reference and requirements sheet.

General Instructions

* **Construction:** Fine rib knit with a wide rib knit cuff. The cut end shall be serged, folded down to the inside 3 1/2" to form the cuff. It shall be 11-3/4" long from end of glove to end of middle finger and 3 1/4" wide.